

Part G Drainage and Slope Protection Structures

500(1)a3 RCPC Standard Strength (25MPa), ϕ 460mm (18")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0303	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication ϕ 460 (18")	m	10.00	9.7%	66.9%	24.4%	53.5%	46.5%	633.00	514.45	3,513.23	1,302.28	2,849.62	2,480.38	5,330.00	
W0341	Precast Concrete Pipe Laying ϕ 460 (18")	m	10.00	46.9%	8.1%	45.0%	28.9%	71.1%	200.00	938.50	161.66	899.83	578.77	1,421.23	2,000.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,452.96	3,674.93	2,202.12	3,428.38	3,901.62	7,330.00	
Components (%)										19.8%	50.1%	30.0%	46.8%	53.2%	100.0%	
Unit Rate			m							145.30	367.49	220.21	342.84	390.16	733.00	

500(1)a4 RCPC Standard Strength (25MPa), ϕ 610mm (24")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0304	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication ϕ 610 (24")	m	10.00	9.9%	66.2%	23.9%	53.4%	46.6%	878.00	868.17	5,812.81	2,099.02	4,692.18	4,087.82	8,780.00	
W0342	Precast Concrete Pipe Laying ϕ 610 (24")	m	10.00	45.6%	8.2%	46.2%	29.7%	70.3%	244.00	1,111.80	200.86	1,127.34	724.50	1,715.50	2,440.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,979.97	6,013.68	3,226.36	5,416.68	5,803.32	11,220.00	
Components (%)										17.6%	53.6%	28.8%	48.3%	51.7%	100.0%	
Unit Rate			m							197.64	600.30	322.06	540.70	579.30	1,120.00	

500(1)a5 RCPC Standard Strength (25MPa), ϕ 760mm (30")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0305	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication ϕ 760 (30")	m	10.00	10.0%	66.4%	23.6%	53.4%	46.6%	1,310.00	1,313.28	8,695.85	3,090.87	6,999.25	6,100.75	13,100.00	
W0343	Precast Concrete Pipe Laying ϕ 760 (30")	m	10.00	46.9%	8.1%	45.0%	29.0%	71.0%	301.00	1,410.77	243.48	1,355.75	871.98	2,138.02	3,010.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,724.05	8,939.34	4,446.62	7,871.23	8,238.77	16,110.00	
Components (%)										16.9%	65.5%	27.6%	48.9%	51.1%	100.0%	
Unit Rate			m							272.24	893.38	444.39	786.63	823.37	1,610.00	

500(1)a6 RCPC Standard Strength (25MPa), ϕ 910mm (36")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0306	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication ϕ 910 (36")	m	10.00	10.5%	66.9%	22.7%	53.4%	46.6%	2,000.00	2,094.83	13,372.37	4,532.80	10,675.98	9,324.02	20,000.00	
W0344	Precast Concrete Pipe Laying ϕ 910 (36")	m	10.00	31.0%	8.6%	60.4%	37.7%	62.3%	513.00	1,588.17	443.06	3,098.77	1,933.29	3,196.71	5,130.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,683.00	13,815.43	7,631.57	12,609.26	12,520.74	25,130.00	
Components (%)										14.7%	55.0%	30.4%	50.2%	49.8%	100.0%	
Unit Rate			m							367.86	1,379.89	762.25	1,259.42	1,250.58	2,510.00	

500(1)a7 RCPC Standard Strength (25MPa), ϕ 1070mm (42")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0307	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication ϕ 1070 (42")	m	10.00	10.5%	66.9%	22.6%	53.4%	46.6%	2,620.00	2,747.34	17,518.70	5,933.96	13,985.03	12,214.97	26,200.00	
W0345	Precast Concrete Pipe Laying ϕ 1070 (42")	m	10.00	31.4%	8.6%	60.0%	37.4%	62.6%	590.00	1,853.99	507.08	3,538.93	2,208.29	3,691.71	5,900.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,601.33	18,025.78	9,472.89	16,193.32	15,906.68	32,100.00	
Components (%)										14.3%	56.2%	29.5%	50.4%	49.6%	100.0%	
Unit Rate			m							460.13	1,802.58	947.29	1,619.33	1,590.67	3,210.00	

500(l)a8 RCPC Standard Strength (25MPa), φ1220mm (48")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0308	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication φ1220 (48")	m	10.00	10.5%	66.9%	22.7%	53.4%	46.6%	3,300.00	3,453.59	22,062.06	7,484.35	17,615.79	15,384.21	33,000.00	
W0346	Precast Concrete Pipe Laying φ1220 (48")	m	10.00	31.2%	8.6%	60.2%	37.6%	62.4%	661.00	2,059.03	569.74	3,981.23	2,484.03	4,125.97	6,610.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,512.62	22,631.79	11,465.58	20,099.82	19,510.18	39,610.00	
Components (%)										13.9%	57.1%	28.9%	50.7%	49.3%	100.0%	
Unit Rate			m							551.12	2,262.61	1,146.27	2,009.47	1,950.53	3,960.00	

500(l)a9 RCPC Standard Strength (25MPa), φ1520mm (60")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0309	Precast Reinforced Concrete Pipe (Standard Strength 25MPa), fabrication φ1520 (60")	m	10.00	10.5%	66.9%	22.6%	53.4%	46.6%	4,930.00	5,168.41	32,967.05	11,164.53	26,315.79	22,984.21	49,300.00	
W0347	Precast Concrete Pipe Laying φ1520 (60")	m	10.00	26.8%	8.5%	64.7%	40.0%	60.0%	934.00	2,502.52	792.46	6,045.02	3,732.94	5,607.06	9,340.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										7,670.93	33,759.51	17,209.55	30,048.73	28,591.27	58,640.00	
Components (%)										13.1%	57.6%	29.3%	51.2%	48.8%	100.0%	
Unit Rate			m							766.57	3,373.65	1,719.78	3,002.82	2,857.18	5,860.00	

500(l)b3 RCPC Standard Strength (32MPa), φ460mm (18")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0313	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ460 (18")	m	10.00	10.4%	68.1%	21.5%	53.6%	46.4%	585.00	605.59	3,985.94	1,258.47	3,133.79	2,716.21	6,850.00	
W0341	Precast Concrete Pipe Laying φ460 (18")	m	10.00	46.9%	8.1%	45.0%	28.9%	71.1%	200.00	938.50	161.66	899.83	578.77	1,421.23	2,000.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,544.10	4,147.60	2,158.30	3,712.55	4,137.45	7,850.00	
Components (%)										19.7%	52.8%	27.5%	47.3%	52.7%	100.0%	
Unit Rate			m							154.41	414.76	215.83	371.26	413.74	785.00	

500(l)b4 RCPC Standard Strength (32MPa), φ610mm (24")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0314	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ610 (24")	m	10.00	10.3%	68.1%	21.6%	53.6%	46.4%	960.00	989.41	6,536.91	2,073.69	5,143.20	4,456.80	9,600.00	
W0342	Precast Concrete Pipe Laying φ610 (24")	m	10.00	45.6%	8.2%	46.2%	29.7%	70.3%	344.00	1,111.80	200.86	1,127.34	724.50	1,715.50	2,440.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,101.21	6,737.77	3,201.02	5,867.70	6,172.30	12,040.00	
Components (%)										17.5%	56.0%	26.6%	48.7%	51.3%	100.0%	
Unit Rate			m							209.42	671.54	319.04	584.82	615.18	1,200.00	

500(l)b5 RCPC Standard Strength (32MPa), φ760mm (30")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0315	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ760 (30")	m	10.00	10.2%	68.0%	21.8%	53.6%	46.4%	1,350.00	1,374.41	9,176.48	2,949.11	7,234.89	6,265.11	13,500.00	
W0343	Precast Concrete Pipe Laying φ760 (30")	m	10.00	46.9%	8.1%	45.0%	29.0%	71.0%	301.00	1,410.77	243.48	1,355.75	871.98	2,138.02	3,010.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,785.18	9,419.96	4,304.86	8,106.87	8,403.13	16,510.00	
Components (%)										16.9%	57.1%	26.1%	49.1%	50.9%	100.0%	
Unit Rate			m							278.35	941.43	430.23	810.20	839.80	1,650.00	

500(1)b6 RCPC Standard Strength (32MPa), φ910mm (36")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0316	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ910 (36")	m	10.00	10.8%	68.4%	20.8%	53.5%	46.5%	2,160.00	2,330.89	14,775.08	4,494.05	11,555.15	10,044.85	21,600.00	
W0344	Precast Concrete Pipe Laying φ910 (36")	m	10.00	31.0%	8.6%	60.4%	37.7%	62.3%	513.00	1,588.17	443.06	3,098.77	1,933.29	3,196.71	5,130.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									3,919.06	15,218.13	7,592.82	13,488.44	13,241.56	26,730.00	
	Components (%)									14.7%	56.9%	28.4%	50.5%	49.5%	100.0%	
	Unit Rate	m								391.47	1,520.10	758.43	1,347.33	1,322.67	2,670.00	

500(1)b7 RCPC Standard Strength (32MPa), φ1070mm (42")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0317	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ1070 (42")	m	10.00	10.7%	68.4%	20.8%	53.5%	46.5%	2,720.00	2,915.11	18,595.80	5,689.09	14,554.52	12,645.48	27,200.00	
W0345	Precast Concrete Pipe Laying φ1070 (42")	m	10.00	31.4%	8.6%	60.0%	37.4%	62.6%	590.00	1,853.99	507.08	3,538.93	2,208.29	3,691.71	5,900.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									4,769.10	19,102.88	9,228.02	16,762.82	16,337.18	33,100.00	
	Components (%)									14.4%	57.7%	27.9%	50.6%	49.4%	100.0%	
	Unit Rate	m								476.91	1,910.29	922.80	1,676.28	1,633.72	3,310.00	

500(1)b8 RCPC Standard Strength (32MPa), φ1220mm (48")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0318	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ1220 (48")	m	10.00	10.7%	68.3%	20.8%	53.5%	46.5%	3,520.00	3,772.56	24,058.99	7,368.44	18,834.60	16,365.40	35,200.00	
W0346	Precast Concrete Pipe Laying φ1220 (48")	m	10.00	31.2%	8.6%	60.2%	37.8%	62.4%	661.00	2,059.03	569.74	3,981.23	2,484.03	4,125.97	6,610.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									5,831.60	24,628.73	11,349.67	21,318.63	20,491.37	41,810.00	
	Components (%)									13.9%	58.9%	27.1%	51.0%	49.0%	100.0%	
	Unit Rate	m								583.02	2,462.28	1,134.70	2,131.35	2,048.65	4,180.00	

500(1)b9 RCPC Standard Strength (32MPa), φ1520mm (60")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0319	Precast Reinforced Concrete Pipe (Standard Strength 32MPa), fabrication φ1520 (60")	m	10.00	10.8%	68.4%	20.8%	53.5%	46.5%	5,240.00	5,648.10	35,840.56	10,911.35	28,033.20	24,366.80	52,400.00	
W0347	Precast Concrete Pipe Laying φ1520 (60")	m	10.00	26.8%	8.5%	64.7%	48.0%	60.0%	934.00	2,502.52	792.46	6,045.02	3,732.94	5,687.06	9,340.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									8,150.62	36,633.02	16,956.37	31,766.14	29,973.86	61,740.00	
	Components (%)									13.2%	59.3%	27.5%	51.5%	48.5%	100.0%	
	Unit Rate	m								814.53	3,660.93	1,694.54	3,174.56	2,995.44	6,170.00	

500(1)c3 RCPC Extra Strength (32MPa), φ460mm (18")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0331	Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ460 (18")	m	10.00	10.4%	68.1%	21.6%	53.6%	46.4%	755.00	781.97	5,139.60	1,628.47	4,043.93	3,506.07	7,550.00	
W0341	Precast Concrete Pipe Laying φ460 (18")	m	10.00	46.9%	8.1%	45.0%	28.8%	71.1%	280.00	938.50	181.66	899.83	578.77	1,421.23	2,000.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,720.48	5,301.26	2,528.26	4,622.69	4,927.31	9,550.00	
	Components (%)									18.0%	55.5%	26.5%	48.4%	51.6%	100.0%	
	Unit Rate	m								172.05	530.13	252.83	462.27	492.73	955.00	

500(1)e4 RCPC Extra Strength (32MPa), φ610mm (24")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0332	Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ610 (24")	m	10.00	10.2%	68.0%	21.8%	53.6%	46.4%	1,120.00	1,142.75	7,613.90	2,443.35	6,001.82	5,198.18	11,200.00	
W0342	Precast Concrete Pipe Laying φ610 (24")	m	10.00	45.6%	8.2%	46.2%	29.7%	70.3%	244.00	1,111.80	200.86	1,127.34	724.50	1,715.50	2,440.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total								2,264.54	7,814.77	3,570.69	6,726.32	6,913.68	13,640.00		
	Components (%)								16.5%	57.3%	26.2%	49.3%	50.7%	100.0%		
	Unit Rate	m							224.79	779.19	356.02	670.66	689.34	1,360.00		

500(1)e5 RCPC Extra Strength (32MPa), φ760mm (30")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0333	Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ760 (30")	m	10.00	10.3%	68.1%	21.6%	53.6%	46.4%	1,660.00	1,710.98	11,300.28	3,588.74	8,893.16	7,706.84	16,600.00	
W0343	Precast Concrete Pipe Laying φ760 (30")	m	10.00	46.9%	8.1%	45.0%	29.0%	71.0%	301.00	1,410.77	243.48	1,355.75	871.98	2,138.02	3,040.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total								3,121.75	11,543.76	4,944.49	9,765.13	9,844.87	19,640.00		
	Components (%)								15.9%	58.9%	25.2%	49.8%	50.2%	100.0%		
	Unit Rate	m							312.02	1,153.79	494.20	976.02	983.98	1,960.00		

500(1)e6 RCPC Extra Strength (32MPa), φ910mm (36")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0334	Precast Reinforced Concrete Pipe (Extra Strength), fabrication φ910 (36")	m	10.00	10.8%	68.1%	21.1%	53.5%	46.5%	2,660.00	2,867.42	18,108.30	5,624.28	14,228.23	12,371.77	26,600.00	
W0344	Precast Concrete Pipe Laying φ910 (36")	m	10.00	31.0%	8.6%	60.4%	37.7%	62.3%	513.00	1,588.17	443.06	3,098.77	1,933.29	3,196.71	5,130.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total								4,455.58	18,551.37	8,723.05	16,161.52	15,568.48	31,730.00		
	Components (%)								14.0%	58.5%	27.5%	50.9%	49.1%	100.0%		
	Unit Rate	m							445.14	1,853.38	871.48	1,614.62	1,555.38	3,170.00		

500(1)e7 RCPC Extra Strength (32MPa), φ1070mm (42")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0335	Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ1070 (42")	m	10.00	11.2%	68.4%	20.4%	53.4%	46.6%	3,990.00	4,454.99	27,287.35	8,157.66	21,318.81	18,581.19	39,900.00	
W0345	Precast Concrete Pipe Laying φ1070 (42")	m	10.00	31.4%	8.6%	60.0%	37.4%	62.6%	590.00	1,853.99	507.08	3,538.93	2,208.29	3,691.71	5,900.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total								6,308.99	27,794.43	11,696.59	23,527.11	22,272.89	45,800.00		
	Components (%)								13.8%	60.7%	25.5%	51.4%	48.6%	100.0%		
	Unit Rate	m							630.90	2,779.44	1,169.66	2,352.71	2,227.29	4,580.00		

500(1)e8 RCPC Extra Strength (32MPa), φ1220mm (48")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0336	Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication φ1220 (48")	m	10.00	10.7%	68.1%	21.2%	53.5%	46.5%	4,350.00	4,673.62	29,602.47	9,223.91	23,270.49	20,229.51	43,500.00	
W0346	Precast Concrete Pipe Laying φ1220 (48")	m	10.00	31.2%	8.6%	60.2%	37.6%	62.4%	661.00	2,059.03	569.74	3,981.23	2,484.03	4,125.97	6,610.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total								6,732.65	30,172.20	13,205.14	25,754.52	24,355.48	50,110.00		
	Components (%)								13.4%	60.2%	26.4%	51.4%	48.6%	100.0%		
	Unit Rate	m							673.13	3,016.62	1,320.25	2,574.94	2,435.06	5,010.00		

500(1)c9 RCPC Extra Strength (32MPa), ϕ 1520mm (60")

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0337	Precast Reinforced Concrete Pipe (Extra Strength 32MPa), fabrication ϕ 1520 (60")	m	10.00	11.1%	68.2%	20.6%	53.4%	46.6%	7,540.00	8,403.86	51,455.70	15,540.45	40,286.70	35,113.30	75,400.00	
W0347	Precast Concrete Pipe Laying ϕ 1520 (60")	m	10.00	26.6%	8.5%	64.7%	40.0%	60.0%	934.00	2,502.52	792.46	6,045.02	3,732.94	5,607.06	9,340.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										10,906.38	62,248.16	21,585.47	44,019.64	40,720.36	84,740.00	
Components (%)										12.9%	61.7%	25.5%	51.9%	48.1%	100.0%	
Unit Rate			m							1,090.64	6,224.82	2,158.55	4,399.89	4,072.04	8,474.00	

502(2)a1 Drop Inlet Manhole for RCPC 1- ϕ 460 x 1- ϕ 460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.84	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	34.80	1,091.58	242.82	776.26	592.94	1,369.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.82	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	32.74	0.41	177.59	95.17	115.57	210.74	
W0237	Concrete Curing (reinforced concrete)	m3	0.82	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.57	0.26	0.61	0.48	2.97	3.45	
W0241	Formwork (reinforced concrete H<4m)	m2	7.83	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,039.83	700.33	13.76	51.19	1,702.74	1,753.92	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	31.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	583.24	604.29	21.48	229.24	979.76	1,209.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	43.79	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	154.95	785.69	79.66	550.92	469.39	1,020.30	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	6.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	27.87	301.77	20.76	220.58	129.82	350.40	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,917.51	3,634.18	572.92	2,029.21	4,095.41	6,124.62	
Components (%)										31.3%	59.3%	9.4%	33.1%	66.9%	100.0%	
Unit Rate			each							1,916.07	3,631.44	572.49	2,027.68	4,092.32	6,120.00	

502(2)a2 Drop Inlet Manhole for RCPC 1-φ610 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)				Total (PP)
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.02	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	42.25	1,325.49	294.86	942.60	720.00	1,662.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.00	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	39.93	0.50	216.57	116.06	140.94	257.00	
W0237	Concrete Curing (reinforced concrete)	m3	1.00	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.14	0.32	0.75	0.59	3.62	4.21	
W0241	Formwork (reinforced concrete H4m)	m2	9.45	58.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,254.97	845.23	16.60	61.77	2,055.03	2,116.80	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	34.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	639.68	662.76	23.55	251.43	1,074.57	1,326.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	53.17	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	188.14	953.99	96.73	668.92	569.94	1,238.88	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	6.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	27.87	301.77	20.76	220.58	129.82	350.40	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,237.49	4,239.91	686.06	2,367.33	4,796.14	7,163.47	
Components (%)										31.2%	59.2%	9.6%	33.0%	67.0%	100.0%	
Unit Rate			each							2,236.41	4,237.86	685.73	2,366.18	4,793.82	7,160.00	

502(2)a3 Drop Inlet Manhole for RCPC 1-φ760 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)				Total (PP)
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.28	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.02	1,563.36	370.02	1,182.87	903.53	2,086.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.25	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	49.91	0.63	270.71	145.08	176.17	321.25	
W0237	Concrete Curing (reinforced concrete)	m3	1.25	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.93	0.40	0.93	0.73	4.53	5.26	
W0241	Formwork (reinforced concrete H4m)	m2	12.14	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,612.20	1,085.83	21.33	79.35	2,540.01	2,719.36	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	36.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	677.31	701.75	24.94	266.22	1,137.78	1,404.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	60.51	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	214.12	1,085.68	110.08	761.26	648.62	1,409.88	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	7.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	32.51	352.06	24.23	257.34	151.46	408.80	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,684.51	5,039.56	818.48	2,798.24	5,764.31	8,562.55	
Components (%)										31.4%	58.9%	9.8%	32.7%	67.3%	100.0%	
Unit Rate			each							2,683.71	5,038.06	838.23	2,797.41	5,762.59	8,560.00	

502(2)a4 Drop Inlet Manhole for RCPC 1-φ910 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.56	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	64.62	2,027.22	450.96	1,441.62	1,101.18	2,542.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.53	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	61.09	0.77	331.35	177.57	215.64	393.21	
W0237	Concrete Curing (reinforced concrete)	m3	1.53	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	4.81	0.49	1.14	0.90	5.64	6.44	
W0241	Formwork (reinforced concrete 1K4m)	m2	15.17	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,014.59	1,356.84	26.65	99.16	3,298.92	3,398.08	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	39.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	733.75	760.23	27.02	288.40	1,232.60	1,521.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	71.71	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	253.75	1,286.64	130.46	902.17	768.67	1,670.84	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	8.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	37.16	402.36	27.69	294.11	173.09	467.20	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,211.27	5,984.39	1,011.51	3,309.31	6,897.86	10,207.17	
Components (%)										31.5%	58.6%	9.9%	32.4%	67.6%	100.0%	
Unit Rate			each							3,209.02	5,980.19	1,010.80	3,306.99	6,893.01	10,200.00	

502(2)a5 Drop Inlet Manhole for RCPC 1-φ1070 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.79	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	74.15	2,326.11	517.45	1,654.17	1,263.53	2,917.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.75	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	69.87	0.88	379.00	203.11	248.64	449.75	
W0237	Concrete Curing (reinforced concrete)	m3	1.75	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.50	0.56	1.31	1.03	6.34	7.37	
W0241	Formwork (reinforced concrete 1K4m)	m2	17.36	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,305.42	1,552.72	30.50	113.47	3,775.17	3,888.64	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	42.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	790.20	818.71	29.10	310.59	1,327.41	1,638.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	76.66	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	271.26	1,375.45	139.46	964.45	821.73	1,786.18	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	9.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	41.80	452.65	31.15	330.87	194.73	525.60	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,599.72	6,676.93	1,144.23	3,683.06	7,737.78	11,420.84	
Components (%)										31.5%	58.5%	10.0%	32.2%	67.8%	100.0%	
Unit Rate			each							3,593.15	6,664.74	1,142.11	3,676.34	7,723.66	11,400.00	

502(2)a6 Drop Inlet Manhole for RCPC 1-φ1220 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.11	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	87.40	2,741.95	609.95	1,949.88	1,489.42	3,439.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.07	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	82.65	1.04	448.30	240.24	291.75	531.99	
W0237	Concrete Curing (reinforced concrete)	m3	2.07	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	6.50	0.66	1.55	1.22	7.49	8.71	
W0241	Formwork (reinforced concrete 114m)	m2	20.89	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,774.21	1,868.45	36.70	136.55	4,542.81	4,679.36	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	45.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	846.64	877.19	31.17	332.77	1,422.23	1,755.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	84.93	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	300.53	1,523.84	154.51	1,068.49	910.38	1,978.87	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	10.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	46.45	502.95	34.61	367.64	216.36	584.00	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,185.88	7,665.92	1,333.03	4,202.17	8,982.66	13,184.83	
Components (%)										31.7%	58.1%	10.1%	31.9%	68.1%	100.0%	
Unit Rate			each							4,190.70	7,674.74	1,334.56	4,207.01	8,992.99	13,200.00	

502(2)a7 Drop Inlet Manhole for RCPC 1-φ1520 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.71	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	112.26	3,521.65	783.39	2,504.35	1,912.95	4,417.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.66	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	106.20	1.34	576.08	308.72	374.90	883.62	
W0237	Concrete Curing (reinforced concrete)	m3	2.66	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	8.36	0.85	1.99	1.56	9.64	11.20	
W0241	Formwork (reinforced concrete 114m)	m2	27.39	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,637.41	2,449.83	48.12	179.03	5,956.33	6,135.36	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	50.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	940.71	974.65	34.64	369.75	1,580.25	1,950.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	105.33	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	372.71	1,889.86	191.62	1,325.14	1,129.05	2,454.19	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	11.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	51.09	553.24	38.07	404.40	238.00	642.40	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	2.65	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	30.75	44.20	5.35	31.32	48.98	80.30	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,270.26	9,541.26	1,690.15	5,198.34	11,303.33	16,501.67	
Components (%)										31.9%	57.8%	10.2%	31.5%	68.5%	100.0%	
Unit Rate			each							5,269.73	9,540.30	1,689.98	5,197.81	11,302.19	16,500.00	

502(2)a12 Drop Inlet Manhole for RCPC 1-φ610 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.14	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	47.22	1,481.43	329.55	1,053.49	804.71	1,858.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.12	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	44.72	0.56	242.56	129.99	157.85	287.84	
W0237	Concrete Curing (reinforced concrete)	m3	1.12	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.52	0.36	0.84	0.66	4.06	4.72	
W0241	Formwork (reinforced concrete 11<4m)	m2	10.28	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,365.19	919.47	18.06	67.19	2,235.53	2,302.72	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	37.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	696.12	721.24	25.63	273.61	1,169.39	1,443.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	59.70	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	211.25	1,071.15	108.61	751.07	639.94	1,391.01	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	10.30		
W0711	Iron Step For Drop Inlet Manholes, furnish & installation	each	6.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	27.87	301.77	20.76	220.58	129.82	350.40	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.26	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	37.82	54.37	6.59	38.53	60.25	98.78	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,444.49	4,656.00	763.48	2,609.19	5,254.78	7,863.97	
Components (%)										31.1%	59.2%	9.7%	33.2%	66.8%	100.0%	
Unit Rate			each							2,443.25	4,653.65	763.09	2,607.88	5,252.12	7,860.90	

502(2)a13 Drop Inlet Manhole for RCPC 1-φ760 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.43	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	59.24	1,858.29	413.38	1,321.48	1,009.42	2,330.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.40	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	55.90	0.71	303.20	162.48	197.32	359.80	
W0237	Concrete Curing (reinforced concrete)	m3	1.40	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	4.40	0.45	1.05	0.82	5.07	5.89	
W0241	Formwork (reinforced concrete 11<4m)	m2	13.14	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,745.00	1,175.27	23.09	85.89	2,857.47	2,943.36	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	39.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	733.75	780.23	27.02	288.40	1,232.60	1,521.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	67.78	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	239.84	1,216.12	123.31	852.73	726.54	1,579.27	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	10.30		
W0711	Iron Step For Drop Inlet Manholes, furnish & installation	each	7.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	32.51	352.06	24.23	257.34	151.46	404.80	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.26	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	37.82	54.37	6.59	38.53	60.25	98.78	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,919.23	5,523.14	932.73	3,081.75	6,293.35	9,375.10	
Components (%)										31.1%	58.9%	9.9%	32.9%	67.1%	100.0%	
Unit Rate			each							2,920.75	5,526.03	933.22	3,083.36	6,296.64	9,380.00	

502(2)a14 Drop Inlet Manhole for RCPC 1-φ910 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.73	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	71.66	2,248.14	500.10	1,598.72	1,221.18	2,819.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.70	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	67.87	0.86	368.17	197.30	238.60	436.90	
W0237	Concrete Curing (reinforced concrete)	m3	1.70	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.34	1.27	1.00	6.16	7.16		
W0241	Formwork (reinforced concrete 114m)	m2	16.34	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,169.96	1,461.49	28.71	106.81	3,553.35	3,660.16	
W0751	Concrete Hollow Block (150x200x100mm), furnish & laying including mortar fill	each	42.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	790.20	818.71	29.10	310.59	1,327.41	1,638.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	78.75	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	278.66	1,412.96	143.26	990.74	844.14	1,834.88	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	8.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	37.16	402.36	27.69	294.11	173.09	467.20	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.26	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	37.82	54.37	6.59	38.53	60.25	98.78	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,489.45	6,505.07	1,115.77	3,611.86	7,478.42	11,090.28	
Components (%)										31.3%	58.7%	10.1%	32.6%	67.4%	100.0%	
Unit Rate			each							3,472.49	6,510.77	1,116.75	3,615.02	7,484.99	11,100.00	

502(2)a15 Drop Inlet Manhole for RCPC 1-φ1070 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.97	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	81.61	2,560.02	569.48	1,820.51	1,390.59	3,211.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.93	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	77.06	0.97	417.98	224.00	272.01	498.01	
W0237	Concrete Curing (reinforced concrete)	m3	1.93	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	6.07	1.44	1.13	7.00	8.13		
W0241	Formwork (reinforced concrete 114m)	m2	18.64	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,475.41	1,667.21	32.75	121.84	4,053.52	4,175.36	
W0751	Concrete Hollow Block (150x200x100mm), furnish & laying including mortar fill	each	45.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	846.64	877.19	31.17	332.77	1,422.23	1,755.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	85.46	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	302.40	1,533.35	155.47	1,075.16	916.06	1,991.22	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	9.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	41.80	462.65	31.15	330.87	194.73	525.80	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.26	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	37.82	54.37	6.59	38.53	60.25	98.78	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,879.57	7,252.02	1,256.92	4,018.87	8,369.63	12,388.50	
Components (%)										31.3%	58.5%	10.1%	32.4%	67.6%	100.0%	
Unit Rate			each							3,883.17	7,258.75	1,258.08	4,022.60	8,377.40	12,400.00	

502(2)a16 Drop Inlet Manhole for RCPC 1-φ1220 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)	
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.32	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	96.10	3,014.84	670.66	2,143.95	1,637.65	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.27	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	90.63	1.14	491.61	263.46	319.93	583.39
W0237	Concrete Curing (reinforced concrete)	m3	2.27	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	7.13	0.73	1.70	1.33	8.23	9.56
W0241	Formwork (reinforced concrete H<4m)	m2	22.34	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,966.77	1,998.14	39.25	146.02	4,858.14	5,004.16
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	47.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	884.27	916.17	32.56	347.56	1,485.44	1,833.00
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	94.49	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	334.36	1,695.37	171.90	1,188.76	1,012.86	2,281.62
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30
W0711	Iron Slep for Drop Inlet Manholes, furnish & installation	each	10.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	46.45	502.95	34.61	367.64	216.36	584.00
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.26	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	37.82	54.37	6.59	38.53	60.25	98.78
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,474.36	8,289.36	1,459.75	4,571.31	9,652.10	14,223.41
Components (%)										31.5%	58.3%	10.3%	32.1%	67.9%	100.0%
Unit Rate			each							4,466.93	8,275.72	1,457.35	4,563.79	9,636.21	14,200.00

502(2)a17 Drop Inlet Manhole for RCPC 1-φ1520 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)	
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.96	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	122.61	3,846.52	855.66	2,735.38	2,089.42	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.90	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	115.78	1.46	628.05	336.57	408.73	745.30
W0237	Concrete Curing (reinforced concrete)	m3	2.90	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	9.11	0.93	2.17	1.70	10.51	12.21
W0241	Formwork (reinforced concrete H<4m)	m2	29.12	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,867.16	2,604.56	51.16	190.34	6,332.54	6,522.88
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	53.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	997.15	1,033.13	36.72	391.93	1,675.07	2,067.00
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	116.56	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	412.45	2,091.35	212.05	1,466.42	1,249.43	2,715.85
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	11.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	51.09	553.24	38.07	404.40	238.00	642.40
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.26	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	37.82	54.37	6.59	38.53	60.25	98.78
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,623.95	10,291.22	1,841.35	5,639.34	12,117.18	17,756.52
Components (%)										31.7%	58.0%	10.4%	31.8%	68.2%	100.0%
Unit Rate			each							5,637.72	10,316.42	1,845.86	5,653.15	12,146.85	17,800.00

502(2)a22 Drop Inlet Manhole for RCPC 2-φ610 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	38.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	3.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.86	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	77.05	2,417.07	537.68	1,718.85	1,312.95	3,031.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.82	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	72.66	0.92	394.16	211.23	256.51	487.74	
W0237	Concrete Curing (reinforced concrete)	m3	1.82	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.72	0.58	1.38	1.07	6.59	7.66	
W0241	Formwork (reinforced concrete 11x4m)	m2	14.89	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,977.40	1,331.80	26.16	97.33	3,238.03	3,335.36	
W0751	Concrete Hollow Block (150x200x100mm), furnish & laying including mortar fill	each	52.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	978.34	1,013.64	36.02	384.54	1,643.46	2,028.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	94.26	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	333.54	1,691.24	171.48	1,185.87	1,010.39	2,196.26	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	6.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	27.87	301.77	20.76	220.58	129.82	350.40	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	6.37	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	73.90	106.24	12.87	75.28	117.73	193.01	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,557.25	6,968.90	1,211.38	3,968.81	7,768.72	11,737.53	
Components (%)										30.3%	59.4%	10.3%	33.8%	66.2%	100.0%	
Unit Rate										3,545.88	6,946.62	1,207.51	3,956.12	7,743.88	11,700.00	

502(2)a23 Drop Inlet Manhole for RCPC 2-φ760 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	3.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.40	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	99.42	3,118.80	693.78	2,217.88	1,694.12	3,912.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.35	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	93.83	1.18	508.94	272.74	331.21	693.95	
W0237	Concrete Curing (reinforced concrete)	m3	2.35	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	7.38	0.75	1.76	1.38	8.51	9.89	
W0241	Formwork (reinforced concrete 11x4m)	m2	19.96	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,650.70	1,785.27	35.07	130.47	4,340.57	4,471.04	
W0751	Concrete Hollow Block (150x200x100mm), furnish & laying including mortar fill	each	58.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,091.22	1,130.60	40.18	428.91	1,833.09	2,262.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	112.21	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	397.06	2,013.30	204.13	1,411.69	1,202.80	2,614.49	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	7.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	32.51	352.06	24.23	257.34	151.46	408.80	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	7.87	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	91.30	131.26	15.90	93.00	145.46	238.46	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,474.19	8,610.60	1,534.87	4,887.48	9,760.45	14,047.93	
Components (%)										30.5%	59.0%	10.5%	33.4%	66.6%	100.0%	
Unit Rate										4,469.55	8,610.60	1,529.95	4,871.49	9,728.51	14,000.00	

502(2)a24 Drop Inlet Manhole for RCPC 2-φ910 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount					Total (PP)	Remarks
				Component (%)					Labor		Material	Component (PP)		Local	Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign				
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0201	Lean Concrete (17MPa, max agr. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%	
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00		
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	2.99	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	123.86	3,885.51	864.34	2,763.10	2,110.60	4,873.70	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.93	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	116.98	1.48	631.55	340.06	412.95	753.01		
W0237	Concrete Curing (reinforced concrete)	m3	2.93	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	9.21	0.94	2.19	1.72	10.62	12.34		
W0241	Formwork (reinforced concrete H<4m)	m2	25.72	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,415.63	2,300.46	45.19	168.12	5,593.16	5,761.28		
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	65.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,222.92	1,267.05	45.03	480.67	2,054.33	2,535.00		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	135.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	477.70	2,422.20	245.59	1,698.41	1,447.09	3,145.50		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	8.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	37.16	402.36	27.69	294.11	173.09	467.20		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	9.14	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	106.04	152.44	18.46	108.01	168.93	276.94		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										5,520.27	10,538.08	1,893.92	5,928.27	12,024.00	17,952.27		
Components (%)										30.7%	58.7%	10.5%	33.0%	67.0%	100.0%		
Unit Rate			each							5,534.95	10,566.09	1,898.96	5,944.03	12,055.97	18,000.00		

502(2)a25 Drop Inlet Manhole for RCPC 2-φ1070 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount					Total (PP)	Remarks
				Component (%)					Labor		Material	Component (PP)		Local	Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign				
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0201	Lean Concrete (17MPa, max agr. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%	
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00		
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	3.51	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	145.40	4,561.25	1,014.65	3,243.64	2,477.66	5,721.30	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	3.44	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	137.34	1.73	745.00	399.25	484.83	884.08		
W0237	Concrete Curing (reinforced concrete)	m3	3.44	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	10.81	1.10	2.57	2.02	12.46	14.48		
W0241	Formwork (reinforced concrete H<4m)	m2	30.40	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,037.14	2,719.05	53.41	198.71	6,610.89	6,809.60		
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	71.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,335.81	1,384.01	49.19	525.04	2,243.96	2,769.00		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	152.15	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	538.39	2,729.92	276.79	1,914.17	1,630.93	3,545.10		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	9.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	41.80	452.65	31.15	330.87	194.73	525.60		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	10.42	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	120.89	173.79	21.05	123.14	192.59	315.73		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										6,378.35	12,129.14	2,204.70	6,810.91	13,901.28	20,712.19		
Components (%)										30.8%	58.6%	10.6%	32.9%	67.1%	100.0%		
Unit Rate			each							6,374.59	12,122.01	2,203.40	6,806.90	13,893.10	20,700.00		

502(2)a26 Drop Inlet Manhole for RCPC 2-φ1220 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.18	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	173.15	5,431.91	1,208.34	3,862.80	2,950.60	6,813.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	4.10	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	163.70	2.07	887.94	475.85	577.85	1,053.70	
W0237	Concrete Curing (reinforced concrete)	m3	4.10	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	12.88	1.31	3.07	2.41	14.85	17.26	
W0241	Formwork (reinforced concrete H<4m)	m2	37.30	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,963.47	3,336.20	65.53	243.81	8,111.39	8,355.20	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	78.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,467.51	1,520.46	54.03	576.81	2,465.19	3,042.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	171.81	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	607.96	3,082.66	312.56	2,161.51	1,841.66	4,003.17	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	10.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	46.45	502.95	34.61	367.64	216.36	584.00	
W0716	Steel Gate for Manhole Inlet, furnish & installation	kg	11.91	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	138.17	198.64	24.06	140.74	220.13	360.87	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										7,574.05	14,181.84	2,601.02	7,905.63	16,451.27	24,356.90	
Components (%)										31.1%	58.2%	10.7%	32.5%	67.5%	100.0%	
Unit Rate		each								7,587.45	14,206.93	2,605.62	7,919.61	16,480.39	24,400.00	

502(2)a27 Drop Inlet Manhole for RCPC 2-φ1520 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	5.52	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	228.66	7,173.24	1,595.70	5,101.11	3,896.49	8,997.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	5.41	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	216.00	2.73	1,171.65	627.89	762.48	1,390.37	
W0237	Concrete Curing (reinforced concrete)	m3	5.41	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	17.00	1.73	4.05	3.18	19.60	22.78	
W0241	Formwork (reinforced concrete H<4m)	m2	50.80	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	6,746.28	4,543.67	89.25	392.05	11,047.15	11,379.20	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	90.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,693.28	1,754.38	62.35	665.55	2,844.45	3,510.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	217.77	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	770.59	3,907.28	396.17	2,739.72	2,334.32	5,074.04	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0711	Iron Step for Drop Inlet Manholes, furnish & installation	each	11.00	8.0%	86.1%	5.9%	63.0%	37.0%	58.40	51.09	553.24	38.07	404.40	238.00	642.40	
W0716	Steel Gate for Manhole Inlet, furnish & installation	kg	14.44	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	167.53	240.83	29.17	170.64	266.89	437.53	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										9,901.18	18,282.76	3,397.28	10,118.61	21,462.61	31,581.22	
Components (%)										31.4%	57.9%	10.8%	32.0%	68.0%	100.0%	
Unit Rate		each								9,907.07	18,293.63	3,399.30	10,124.62	21,475.38	31,600.00	

502(2)b1 Special Junction Box Manhole for RCPC 1-φ460 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.44	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	18.23	571.78	127.19	406.61	310.59	717.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.43	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	17.17	0.22	93.13	49.91	60.60	110.51	
W0237	Concrete Curing (reinforced concrete)	m3	0.43	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.35	0.14	0.32	0.25	1.56	1.81	
W0241	Formwork (reinforced concrete H<4m)	m2	2.93	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	389.11	262.07	5.15	19.15	637.17	656.32	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	94.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,768.53	1,832.36	65.12	695.13	2,970.87	3,666.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	77.75	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	275.12	1,395.01	141.44	978.16	833.42	1,811.58	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	9.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	41.86	418.73	29.01	306.17	183.43	489.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,528.60	4,651.58	473.14	2,671.18	5,082.14	7,653.32	
Components (%)										33.0%	60.8%	6.2%	33.6%	66.4%	100.0%	
Unit Rate			each							2,527.50	4,649.57	472.93	2,570.07	5,079.93	7,650.00	

502(2)b2 Special Junction Box Manhole for RCPC 1-φ610 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.58	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	24.03	753.71	167.66	535.99	409.41	945.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.57	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	22.76	0.29	123.45	66.15	80.34	146.49	
W0237	Concrete Curing (reinforced concrete)	m3	0.57	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.79	0.18	0.43	0.33	2.07	2.40	
W0241	Formwork (reinforced concrete H<4m)	m2	4.12	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	547.14	368.50	7.24	26.93	895.95	922.88	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	102.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,919.05	1,988.29	70.66	754.29	3,223.71	3,978.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	90.31	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	319.56	1,620.36	164.29	1,136.17	968.05	2,104.22	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	9.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	41.86	418.73	29.01	306.17	183.43	489.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,893.41	5,321.36	574.52	2,941.84	5,847.45	8,789.29	
Components (%)										32.9%	60.5%	6.5%	33.5%	66.5%	100.0%	
Unit Rate			each							2,893.65	5,321.79	574.56	2,942.08	5,847.92	8,790.00	

502(2)b3 Special Junction Box Manhole for RCPC 1-φ760 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.81	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	33.55	1,052.60	234.15	748.53	571.77	1,320.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.79	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	31.54	0.40	171.09	91.69	111.34	203.03	
W0237	Concrete Curing (reinforced concrete)	m3	0.79	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.49	0.25	0.59	0.46	2.87	3.33	
W0241	Formwork (reinforced concrete H4m)	m2	6.40	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	849.92	572.43	11.24	41.83	1,391.77	1,433.60	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	109.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,050.75	2,124.74	75.51	806.05	3,444.95	4,251.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	98.93	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	350.07	1,775.03	179.97	1,244.62	1,060.45	2,305.07	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	10.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	46.51	465.26	32.24	340.19	203.81	544.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,382.06	6,162.00	716.58	3,389.18	6,871.45	10,260.61	
Components (%)										33.0%	60.1%	7.0%	33.0%	67.0%	100.0%	
Unit Rate			each							3,395.03	6,185.61	719.32	3,402.19	6,897.81	10,300.00	

502(2)b4 Special Junction Box Manhole for RCPC 1-φ910 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.06	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	43.91	1,377.47	306.42	979.56	748.24	1,727.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.04	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	41.52	0.52	225.23	120.70	146.58	267.28	
W0237	Concrete Curing (reinforced concrete)	m3	1.04	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.27	0.33	0.78	0.61	3.77	4.38	
W0241	Formwork (reinforced concrete H4m)	m2	8.99	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,193.88	804.09	15.79	58.76	1,955.00	2,013.76	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	117.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,201.26	2,280.69	81.05	865.21	3,697.79	4,563.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	111.37	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	394.09	1,998.23	202.61	1,401.13	1,193.79	2,594.92	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	11.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	51.16	511.78	35.46	374.20	224.20	598.40	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,946.32	7,144.41	879.12	3,915.98	8,053.86	11,969.84	
Components (%)										33.0%	59.7%	7.3%	32.7%	67.3%	100.0%	
Unit Rate			each							3,956.26	7,162.41	881.33	3,925.85	8,074.15	12,000.00	

502(2)b5 Special Junction Box Manhole for RCPC 1-φ1070 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.24	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	51.37	1,611.38	358.45	1,145.90	875.30	2,021.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.22	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	48.71	0.61	264.22	141.59	171.95	313.54	
W0237	Concrete Curing (reinforced concrete)	m3	1.22	74.6%	7.6%	17.6%	14.0%	86.0%	4.21	0.91	0.39	4.22	0.72	4.42	5.14	
W0241	Formwork (reinforced concrete 1K4m)	m2	10.75	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,427.61	961.51	18.89	70.27	2,337.73	2,408.00	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	126.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,370.59	2,456.13	87.29	931.77	3,982.23	4,914.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	118.57	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	419.56	2,127.41	215.70	1,491.71	1,270.97	2,762.68	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	12.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	55.81	558.31	38.68	408.22	244.58	652.80	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,394.71	7,887.03	995.92	4,306.98	8,971.68	13,277.66	
Components (%)										33.1%	59.4%	7.5%	32.4%	67.6%	100.0%	
Unit Rate		each								4,402.10	7,900.30	997.60	4,313.23	8,986.77	13,300.00	

502(2)b6 Special Junction Box Manhole for RCPC 1-φ1220 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.54	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	63.79	2,001.23	445.18	1,423.14	1,087.06	2,510.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.51	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	60.29	0.76	327.02	175.25	212.82	388.07	
W0237	Concrete Curing (reinforced concrete)	m3	1.51	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	4.75	0.48	1.13	0.89	5.47	6.36	
W0241	Formwork (reinforced concrete 1K4m)	m2	13.85	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,839.29	1,238.78	24.33	90.53	3,011.87	3,102.40	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	134.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,521.10	2,612.07	92.83	990.93	4,235.07	5,226.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	127.59	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	451.48	2,289.25	232.11	1,605.19	1,367.66	2,972.85	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	13.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	60.46	604.83	41.91	142.24	264.96	707.20	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,018.39	8,918.70	1,176.29	4,843.97	10,269.41	15,113.38	
Components (%)										33.2%	59.0%	7.8%	32.1%	67.9%	100.0%	
Unit Rate		each								5,013.95	8,910.81	1,175.24	4,839.68	10,260.32	15,100.00	

502(2)b7 Special Junction Box Manhole for RCPC 1-φ1520 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.36	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	97.76	3,066.82	682.22	2,180.91	1,665.89	3,846.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.31	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	92.23	1.16	500.28	268.10	325.57	593.67	
W0237	Concrete Curing (reinforced concrete)	m3	2.31	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	7.26	0.74	1.73	1.36	8.37	9.73	
W0241	Formwork (reinforced concrete 11(4m)	m2	19.81	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,630.78	1,771.85	34.80	129.49	4,307.95	4,437.44	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	149.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,803.31	2,904.47	103.22	1,101.85	4,709.15	5,811.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	522.02	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,847.19	9,366.22	949.66	6,567.44	5,595.63	12,163.07	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	14.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	65.11	651.36	45.13	476.26	285.34	761.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										7,560.87	17,933.92	2,328.82	10,841.21	16,982.40	27,823.61	
Components (%)										27.2%	64.5%	8.4%	39.0%	61.0%	100.0%	
Unit Rate			each							7,554.46	17,918.70	2,326.84	10,832.01	16,967.99	27,800.00	

502(2)b12 Special Junction Box Manhole for RCPC 1-φ610 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.67	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	27.75	870.67	193.68	619.16	472.94	1,092.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.66	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	26.35	0.33	142.94	76.60	93.02	169.62	
W0237	Concrete Curing (reinforced concrete)	m3	0.66	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.07	0.21	0.49	0.39	2.39	2.78	
W0241	Formwork (reinforced concrete 11(4m)	m2	4.51	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	598.93	403.39	7.92	29.48	980.76	1,010.24	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	110.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,069.56	2,144.24	76.20	813.45	3,476.55	4,290.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	100.94	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	357.18	1,811.09	183.63	1,269.91	1,081.99	2,351.90	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	9.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	41.86	418.73	29.01	306.17	183.43	489.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.00%
Total										3,140.94	5,819.94	645.66	3,230.95	6,375.59	9,606.54	
Components (%)										32.7%	60.6%	6.7%	33.6%	66.4%	100.0%	
Unit Rate			each							3,142.07	5,822.04	645.89	3,232.11	6,377.89	9,610.00	

502(2)b13 Special Junction Box Manhole for RCPC 1-φ760 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.92	2.6%	79.7%	17.7%	56.7%	43.3%	1,630.00	38.11	1,195.54	265.95	850.19	649.41	1,499.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.90	15.6%	0.2%	84.3%	45.2%	54.8%	257.00	35.93	0.45	194.91	104.45	126.85	231.30	
W0237	Concrete Curing (reinforced concrete)	m3	0.90	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.83	0.29	0.67	0.53	3.26	3.79	
W0241	Formwork (reinforced concrete H<4m)	m2	6.97	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	925.62	623.41	12.25	45.56	1,515.72	1,561.29	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	117.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,201.26	2,280.69	81.05	865.21	3,697.79	4,563.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	110.23	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	390.05	1,977.78	200.53	1,386.78	1,181.58	2,568.36	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	10.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	46.51	465.26	32.24	340.19	203.81	544.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,657.54	6,714.71	799.38	3,708.71	7,462.92	11,171.63	
Components (%)										32.7%	60.1%	7.2%	33.2%	66.8%	100.0%	
Unit Rate		each								3,666.83	6,731.76	801.41	3,718.13	7,481.87	11,200.00	

502(2)b14 Special Junction Box Manhole for RCPC 1-φ910 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.19	2.6%	79.7%	17.7%	56.7%	43.3%	1,630.00	49.29	1,546.41	344.00	1,099.70	840.00	1,939.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.17	15.6%	0.2%	84.3%	45.2%	54.8%	257.00	46.71	0.59	253.39	135.79	164.90	300.69	
W0237	Concrete Curing (reinforced concrete)	m3	1.17	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.68	0.38	0.89	0.69	4.24	4.93	
W0241	Formwork (reinforced concrete H<4m)	m2	9.73	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,292.15	870.27	17.09	63.60	2,179.52	2,179.52	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	126.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,370.59	2,456.13	87.29	931.77	3,982.23	4,914.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	121.78	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	430.92	2,185.00	221.54	1,532.09	1,305.38	2,837.47	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	11.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	51.16	511.78	35.46	374.20	224.20	598.40	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,261.74	7,741.85	971.42	4,253.64	8,721.37	12,975.01	
Components (%)										32.6%	59.7%	7.5%	32.8%	67.2%	100.0%	
Unit Rate		each								4,269.94	7,756.76	973.30	4,261.83	8,738.17	13,000.00	

502(2)b15 Special Junction Box Manhole for RCPC 1-φ1070 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (P/)	Amount					Total (P/)	Remarks
				Component (%)						Component (P/)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.41	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	58.41	1,832.30	407.60	1,303.00	995.30	2,298.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.38	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	55.10	0.70	298.87	160.16	194.50	354.66	
W0237	Concrete Curing (reinforced concrete)	m3	1.38	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	4.34	0.44	1.03	0.81	5.00	5.81	
W0241	Formwork (reinforced concrete H4m)	m2	11.60	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,540.49	1,037.53	20.38	75.82	2,522.58	2,598.40	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	134.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,521.10	2,612.07	92.83	990.93	4,235.07	5,226.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	131.50	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	465.32	2,359.41	239.23	1,654.38	1,409.57	3,063.95	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	12.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	55.81	558.31	38.68	408.22	244.58	652.80	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,717.79	8,572.04	1,110.39	4,709.13	9,691.09	14,400.22	
Components (%)										32.8%	59.5%	7.7%	32.7%	67.3%	100.0%	
Unit Rate			each							4,717.72	8,571.91	1,110.37	4,709.06	9,690.94	14,400.00	

502(2)b16 Special Junction Box Manhole for RCPC 1-φ1220 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (P/)	Amount					Total (P/)	Remarks
				Component (%)						Component (P/)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.71	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	70.83	2,222.15	494.32	1,580.24	1,207.06	2,787.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.68	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	67.08	0.85	363.84	194.98	236.78	431.76	
W0237	Concrete Curing (reinforced concrete)	m3	1.68	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.28	0.54	1.26	0.99	6.08	7.07	
W0241	Formwork (reinforced concrete H4m)	m2	14.87	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,974.75	1,330.01	26.12	97.20	3,233.68	3,330.88	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	142.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,671.61	2,768.02	98.37	1,450.08	4,487.91	5,538.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	141.23	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	499.75	2,533.99	256.93	1,776.79	1,513.87	3,290.66	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	13.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	60.46	604.83	41.91	442.24	264.96	707.20	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,366.99	9,631.66	1,294.52	5,258.32	11,034.95	16,293.17	
Components (%)										32.9%	59.1%	7.9%	32.3%	67.7%	100.0%	
Unit Rate			each							5,369.24	9,635.70	1,295.06	5,260.53	11,039.47	16,300.00	

502(2)b17 Special Junction Box Manhole for RCPC 1-φ1520 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 36mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.59	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	187.29	3,365.71	748.71	2,393.46	1,828.24	4,221.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.54	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	101.41	1.28	550.09	294.79	357.99	652.78	
W0237	Concrete Curing (reinforced concrete)	m3	2.54	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	7.98	1.90	1.90	1.49	9.20	10.69	
W0241	Formwork (reinforced concrete 114m)	m2	21.11	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,803.42	1,888.13	37.09	137.98	4,590.66	4,728.64	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	158.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,972.64	3,079.91	109.45	1,168.40	4,993.60	6,162.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	585.09	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,999.59	10,138.99	1,028.02	7,109.30	6,057.30	13,166.60	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	14.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	65.11	651.36	45.13	476.26	285.34	761.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										8,074.67	19,297.47	2,532.16	11,697.49	18,206.82	29,904.31	
Components (%)										27.0%	64.5%	8.5%	39.1%	60.9%	100.0%	
Unit Rate			each							8,073.51	19,294.69	2,531.80	11,695.01	18,204.19	29,900.00	

502(2)b21 Special Junction Box Manhole for RCPC 2-φ460 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.70	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	29.00	909.65	202.35	646.88	494.12	1,141.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.69	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	27.55	0.35	149.43	80.08	97.25	177.33	
W0237	Concrete Curing (reinforced concrete)	m3	0.69	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.16	0.22	0.52	0.40	2.50	2.90	
W0241	Formwork (reinforced concrete 114m)	m2	3.95	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	524.56	353.30	6.94	25.82	858.98	884.80	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	122.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,295.33	2,378.15	84.52	902.19	3,855.81	4,758.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	109.66	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	388.04	1,967.55	199.49	1,379.61	1,175.47	2,555.08	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	9.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	41.86	418.73	28.01	306.17	183.43	489.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,325.73	6,199.24	684.04	3,456.96	6,752.05	10,209.01	
Components (%)										32.6%	60.7%	6.7%	33.9%	66.1%	100.0%	
Unit Rate			each							3,322.79	6,193.77	683.44	3,453.91	6,746.09	10,200.00	

502(2)b22 Special Junction Box Manhole for RCPC 2-φ610 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.97	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	40.18	1,260.52	280.40	896.39	684.71	1,581.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.95	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	37.93	0.48	205.74	110.26	133.89	244.15	
W0237	Concrete Curing (reinforced concrete)	m3	0.95	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.99	0.30	0.71	0.58	3.44	4.00	
W0241	Formwork (reinforced concrete 114m)	m2	5.83	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	774.23	521.45	10.24	38.11	1,267.81	1,305.92	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	140.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,633.99	2,729.03	96.98	1,035.30	4,424.70	5,460.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	131.77	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	466.27	2,364.25	239.72	1,657.77	1,412.47	3,070.24	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	9.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	41.86	418.73	29.01	306.17	183.43	489.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,014.67	7,466.05	874.59	4,160.36	8,194.95	12,355.31	
Components (%)										32.5%	60.4%	7.1%	33.7%	66.3%	100.0%	
Unit Rate			each							4,029.19	7,493.05	877.75	4,175.40	8,224.60	12,400.00	

502(2)b23 Special Junction Box Manhole for RCPC 2-φ760 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.37	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	56.75	1,780.32	396.03	1,266.04	967.06	2,233.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.34	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	53.50	0.68	290.20	155.52	188.86	344.38	
W0237	Concrete Curing (reinforced concrete)	m3	1.34	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	4.21	0.43	1.00	0.79	4.85	5.64	
W0241	Formwork (reinforced concrete 114m)	m2	9.44	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,253.64	844.34	16.58	61.70	2,052.86	2,114.56	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	158.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,972.64	3,079.91	109.45	1,168.40	4,993.60	6,162.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	151.07	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	534.57	2,710.54	274.83	1,900.58	1,619.35	3,519.93	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	10.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	46.51	465.26	32.24	340.19	203.81	544.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,939.05	9,052.74	1,132.12	5,009.03	10,114.88	15,123.91	
Components (%)										32.7%	59.9%	7.5%	33.1%	66.9%	100.0%	
Unit Rate			each							4,931.24	9,038.43	1,130.33	5,001.11	10,098.88	15,100.00	

502(2)b24 Special Junction Box Manhole for RCPC 2-φ910 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
#0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
#0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
#0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
#0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
#0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
#0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.82	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	75.39	2,365.89	526.12	1,681.89	1,284.71	2,966.60	Loss 2.0%
#0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.78	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	71.07	0.90	385.50	206.59	250.87	457.46	
#0237	Concrete Curing (reinforced concrete)	m3	1.78	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.59	0.57	1.33	1.05	6.44	7.49	
#0241	Formwork (reinforced concrete H<4m)	m2	13.69	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,818.04	1,224.47	24.05	89.48	2,977.08	3,066.56	
#0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	176.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	3,311.30	3,430.78	121.92	1,301.51	5,562.49	6,864.00	
#0251	Reinforcement Grade 40, cutting, bonding & assembly	kg	175.62	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	621.44	3,151.02	319.49	2,209.45	1,882.50	4,091.95	
#0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
#0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
#0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	11.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	51.16	511.78	35.46	374.20	224.20	598.40	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,971.21	10,855.90	1,425.65	5,979.87	12,272.79	18,252.76	
Components (%)										32.7%	59.5%	7.8%	32.8%	67.2%	100.0%	
Unit Rate			each							5,986.67	10,884.00	1,429.34	5,996.45	12,304.55	18,300.00	

502(2)b25 Special Junction Box Manhole for RCPC 2-φ1070 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
#0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
#0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
#0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
#0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
#0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
#0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.20	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	91.13	2,858.90	635.97	2,033.05	1,552.95	3,586.00	Loss 2.0%
#0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.16	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	86.24	1.09	467.79	250.69	304.43	555.12	
#0237	Concrete Curing (reinforced concrete)	m3	2.16	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	6.78	0.69	1.61	1.27	7.82	9.09	
#0241	Formwork (reinforced concrete H<4m)	m2	16.98	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,254.96	1,518.73	29.83	110.99	3,892.53	3,803.52	
#0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	196.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	3,687.58	3,820.64	135.78	1,449.41	6,194.59	7,644.00	
#0251	Reinforcement Grade 40, cutting, bonding & assembly	kg	12.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	42.46	215.31	21.83	150.97	128.63	279.60	
#0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
#0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
#0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	12.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	55.81	558.31	38.68	408.22	244.58	652.80	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										6,242.19	9,144.96	1,343.27	4,520.41	12,210.02	16,730.43	
Components (%)										37.3%	54.7%	8.0%	27.0%	73.0%	100.0%	
Unit Rate			each							6,230.84	9,128.33	1,340.83	4,512.19	12,187.81	16,700.00	

502(2)h26 Special Junction Box Manhole for RCPC 2-φ1220 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (P)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.73	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	113.09	3,547.64	789.18	2,522.83	1,927.07	4,449.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.68	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	107.00	1.35	580.41	311.04	377.72	688.76	
W0237	Concrete Curing (reinforced concrete)	m3	2.68	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	8.42	0.86	2.00	1.57	9.71	11.28	
W0241	Formwork (reinforced concrete) (K4m)	m2	22.37	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,970.75	2,000.83	39.30	146.22	4,864.66	5,040.88	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	214.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	4,026.23	4,171.52	148.25	1,582.52	6,763.48	8,346.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	214.83	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	760.18	3,854.54	390.82	2,702.74	2,302.80	5,005.54	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	13.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	60.46	604.83	41.91	442.24	264.96	707.20	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										8,063.37	14,352.85	2,003.64	7,824.98	16,594.88	24,419.86	
Components (%)										33.0%	58.8%	8.2%	32.0%	68.0%	100.0%	
Unit Rate			each							8,056.81	14,341.18	2,002.04	7,818.61	16,581.39	24,400.00	

502(2)h27 Special Junction Box Manhole for RCPC 2-φ1520 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (P)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.23	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	176.22	5,496.89	1,222.79	3,909.01	2,985.89	6,894.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	4.15	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	165.69	2.09	898.77	481.65	584.90	1,066.55	
W0237	Concrete Curing (reinforced concrete)	m3	4.15	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	13.04	1.33	3.10	2.44	15.03	17.47	
W0241	Formwork (reinforced concrete) (K4m)	m2	33.17	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,405.00	2,966.80	58.28	216.81	7,213.27	7,430.08	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	250.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	4,703.55	4,873.27	173.19	1,848.74	7,901.26	9,750.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	855.48	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	3,027.15	15,349.24	1,556.30	10,762.64	9,170.04	19,932.68	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	14.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	65.11	651.36	45.13	476.26	285.34	761.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										12,571.98	29,512.27	3,969.33	17,813.35	28,240.23	46,053.58	
Components (%)										27.3%	64.1%	8.6%	38.7%	61.3%	100.0%	
Unit Rate			each							12,584.66	29,542.01	3,973.33	17,831.31	28,268.69	46,100.00	

502(2)b32 Special Junction Box Manhole for RCPC 2-φ610 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.12	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	46.39	1,455.44	323.76	1,035.01	790.59	1,825.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.10	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	43.92	0.55	238.23	127.67	155.03	282.70	
W0237	Concrete Curing (reinforced concrete)	m3	1.10	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.46	0.36	0.82	0.65	3.98	4.63	
W0241	Formwork (reinforced concrete H<4m)	m2	6.38	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	847.27	570.64	11.21	41.70	1,387.42	1,429.12	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	149.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,803.31	2,904.47	103.22	1,101.85	4,709.15	5,811.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	143.99	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	509.51	2,583.51	261.95	1,811.51	1,543.46	3,354.97	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	9.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	41.86	418.73	29.01	306.17	183.43	489.60	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,312.95	8,104.99	979.98	4,540.36	8,857.56	13,397.92	
Components (%)										32.2%	60.5%	7.3%	33.9%	66.1%	100.0%	
Unit Rate		each								4,313.62	8,106.24	980.13	4,541.06	8,858.94	13,400.00	

502(2)b33 Special Junction Box Manhole for RCPC 2-φ760 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.56	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	64.62	2,027.22	450.96	1,441.62	1,101.18	2,542.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.53	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	61.09	0.77	331.35	177.57	215.64	393.21	
W0237	Concrete Curing (reinforced concrete)	m3	1.53	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	4.81	0.49	1.14	0.90	5.54	6.44	
W0241	Formwork (reinforced concrete H<4m)	m2	10.20	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,354.57	912.31	17.92	66.67	2,218.13	2,284.80	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	167.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	3,141.97	3,255.34	115.49	1,234.96	5,278.04	6,513.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	164.95	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	583.68	2,959.58	300.08	2,075.21	1,768.13	3,843.34	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	10.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	46.51	465.26	32.24	340.19	203.81	544.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,274.47	9,792.26	1,261.16	5,452.92	10,874.97	16,327.89	
Components (%)										32.3%	60.0%	7.7%	33.4%	66.6%	100.0%	
Unit Rate		each								5,265.46	9,775.54	1,259.00	5,443.61	10,856.39	16,300.00	

502(2)b34 Special Junction Box Manhole for RCPC 2-φ910 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.04	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	84.50	2,650.98	589.71	1,885.19	1,440.01	3,325.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.00	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	79.85	1.01	433.14	232.12	281.88	514.00	
W0237	Concrete Curing (reinforced concrete)	m3	2.00	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	6.28	0.64	1.50	1.18	7.24	8.42	
W0241	Formwork (reinforced concrete 1K4m)	m2	14.67	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,948.19	1,312.12	25.77	95.89	3,190.19	3,286.08	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	185.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	3,480.62	3,606.22	128.16	1,368.07	5,846.93	7,215.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	191.38	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	677.20	3,433.79	348.16	2,407.72	2,051.43	4,459.15	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	11.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	51.16	511.78	35.46	374.20	224.20	598.40	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										6,345.04	11,687.83	1,573.68	6,480.17	13,126.38	19,606.55	
Components (%)										32.4%	59.6%	8.0%	33.1%	66.9%	100.0%	
Unit Rate			each							6,342.92	11,683.92	1,573.15	6,478.01	13,121.99	19,600.00	

502(2)b35 Special Junction Box Manhole for RCPC 2-φ1070 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.46	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	101.90	3,196.77	711.13	2,273.32	1,736.48	4,009.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.41	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	96.22	1.21	521.93	279.71	339.66	619.37	
W0237	Concrete Curing (reinforced concrete)	m3	2.41	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	7.57	0.77	1.80	1.42	8.73	10.15	
W0241	Formwork (reinforced concrete 1K4m)	m2	18.10	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,403.69	1,618.91	31.80	118.31	3,936.09	4,054.40	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	204.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	3,838.09	3,976.59	141.32	1,508.57	6,447.43	7,956.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	215.31	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	761.88	3,863.14	391.69	2,708.77	2,307.96	5,016.72	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	12.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	55.81	558.31	38.68	408.22	244.58	652.80	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										7,282.41	13,386.99	1,850.14	7,414.13	15,105.41	22,519.54	
Components (%)										32.3%	59.4%	8.2%	32.9%	67.1%	100.0%	
Unit Rate			each							7,276.09	13,375.38	1,848.53	7,407.70	15,092.30	22,500.00	

502(2)b36 Special Junction Box Manhole for RCPC 2-φ1220 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	3.03	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	125.51	3,937.49	875.90	2,800.07	2,138.83	4,938.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.97	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	118.58	1.50	643.21	344.70	418.59	763.29	
W0237	Concrete Curing (reinforced concrete)	m3	2.97	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	9.33	0.95	2.22	1.74	10.76	12.50	
W0241	Formwork (reinforced concrete <4m)	m2	23.72	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,150.03	2,121.57	41.67	155.04	5,158.24	5,313.28	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	222.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	4,176.75	4,327.46	153.79	1,641.68	7,016.32	8,658.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	235.64	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	833.82	4,227.91	428.68	2,964.54	2,525.87	5,490.41	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	13.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	60.46	604.83	41.91	442.24	264.96	707.20	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										8,491.71	15,393.01	2,199.16	8,465.83	17,618.05	26,083.88	
Components (%)										32.6%	59.0%	8.4%	32.5%	67.5%	100.0%	
Unit Rate			each							8,496.96	15,402.52	2,200.52	8,471.06	17,628.94	26,100.00	

502(2)b37 Special Junction Box Manhole for RCPC 2-φ1520 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.60	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	190.55	5,977.70	1,329.75	4,250.93	3,247.07	7,498.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	4.51	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	180.06	2.27	976.73	523.43	635.64	1,159.07	
W0237	Concrete Curing (reinforced concrete)	m3	4.51	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	14.17	1.45	3.37	2.65	16.34	18.99	
W0241	Formwork (reinforced concrete <4m)	m2	34.87	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,630.76	3,118.86	61.26	227.93	7,582.95	7,810.68	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	258.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	4,854.06	5,029.21	178.73	1,907.90	8,154.10	10,062.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	894.59	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	3,165.54	16,050.96	1,627.45	11,254.68	9,589.27	20,843.95	
W0703	Precast Concrete Cover (680x580x75), furnish	each	1.00	4.2%	90.2%	5.6%	60.7%	39.3%	190.00	8.04	171.29	10.67	115.25	74.75	190.00	
W0704	Precast Concrete Cover (680x580x75), installation	each	1.00	89.3%	0.0%	10.7%	5.4%	94.6%	10.30	9.20	0.00	1.10	0.55	9.75	10.30	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	14.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	65.11	651.36	45.13	476.26	285.34	761.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										13,117.49	31,003.10	4,234.20	18,759.58	29,505.21	48,354.79	
Components (%)										27.1%	64.1%	8.8%	38.8%	61.2%	100.0%	
Unit Rate			each							13,129.75	31,032.09	4,239.16	18,777.12	29,622.88	48,400.00	

502(2)c1 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ460 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.47	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	114.46	61.47	243.31	171.60	247.64	419.24	
W0025	Disposal of Demolished Debris	m3	0.47	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	10.46	8.30	45.63	30.18	34.21	64.39	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	42.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	790.20	818.71	29.10	310.59	1,327.41	1,638.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.23	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	9.53	298.89	66.49	212.55	162.35	374.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.23	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	9.18	0.12	49.81	26.69	32.42	59.11	
W0237	Concrete Curing (reinforced concrete)	m3	0.23	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	0.72	0.07	0.17	0.14	0.83	0.97	
W0241	Formwork (reinforced concrete 114m)	m2	2.13	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	282.87	190.51	3.74	13.92	463.20	477.12	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	19.36	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	68.51	347.36	35.22	243.57	207.52	451.09	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	3.76	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	43.62	62.71	7.60	44.43	69.50	113.93	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,358.92	2,079.89	504.84	1,263.81	2,679.84	3,943.65	
	Components (%)									34.5%	52.7%	12.8%	32.0%	68.0%	100.0%	
	Unit Rate	each								1,357.68	2,077.96	504.38	1,262.64	2,677.36	3,940.00	

502(2)c2 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ610 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.53	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	129.07	69.32	274.37	193.50	279.26	472.76	
W0025	Disposal of Demolished Debris	m3	0.53	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	11.80	9.36	51.45	34.04	38.57	72.61	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	45.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	846.64	877.19	31.17	332.77	1,422.23	1,765.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.28	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	11.60	363.86	80.94	258.75	197.65	456.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.27	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	10.78	0.14	58.47	31.34	38.05	69.39	
W0237	Concrete Curing (reinforced concrete)	m3	0.27	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	0.85	0.09	0.20	0.16	0.98	1.14	
W0241	Formwork (reinforced concrete 114m)	m2	2.36	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	313.41	211.08	4.15	15.43	513.21	528.64	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	21.63	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	76.54	388.09	39.35	272.12	231.86	503.98	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	4.52	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	52.44	75.39	9.13	53.42	83.54	136.96	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,482.50	2,286.26	573.02	1,401.67	2,940.11	4,341.78	
	Components (%)									34.1%	52.7%	13.2%	32.3%	67.7%	100.0%	
	Unit Rate	each								1,481.89	2,285.32	572.79	1,401.09	2,938.91	4,340.00	

502(2)c3 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ760 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.59	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	143.68	77.16	305.43	215.41	310.87	526.28	
W0025	Disposal of Demolished Debris	m3	0.59	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	13.13	10.42	57.28	37.89	42.94	80.83	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	49.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	921.89	955.16	33.94	362.35	1,548.65	1,911.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.32	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	13.26	415.84	92.50	295.72	225.88	521.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.31	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	12.38	0.16	67.14	35.98	43.69	79.67	
W0237	Concrete Curing (reinforced concrete)	m3	0.31	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	0.98	0.10	0.23	0.18	1.13	1.31	
W0241	Formwork (reinforced concrete 114m)	m2	2.58	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	342.63	230.76	4.53	16.86	561.06	577.92	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	23.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	84.22	427.03	43.30	299.42	255.12	554.54	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	5.04	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	58.47	84.06	10.18	59.56	93.15	152.71	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,620.01	2,492.43	638.32	1,533.52	3,217.24	4,750.76	
	Components (%)									34.1%	52.5%	13.4%	32.3%	67.7%	100.0%	
	Unit Rate	each								1,619.75	2,492.03	638.22	1,533.27	3,216.73	4,750.00	

502(2)c4 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ910 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.64	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	155.86	83.70	331.32	233.66	337.22	570.88	
W0025	Disposal of Demolished Debris	m3	0.64	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	14.25	11.30	62.13	41.10	46.58	87.68	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	52.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	978.34	1,013.64	36.02	394.54	1,643.46	2,028.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.36	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	14.91	467.82	104.07	332.68	254.12	586.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.35	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	13.97	0.18	75.80	40.62	49.33	89.95	
W0237	Concrete Curing (reinforced concrete)	m3	0.35	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	0.11	0.11	0.26	0.21	1.26	1.47	
W0241	Formwork (reinforced concrete 114m)	m2	2.81	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	373.17	251.33	4.94	18.37	611.07	629.44	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	28.07	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	92.25	467.75	47.43	327.98	279.45	607.43	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	5.81	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	67.40	96.90	11.74	68.66	107.38	176.04	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,740.62	2,684.49	697.48	1,657.96	3,464.63	5,122.59	
	Components (%)									34.0%	52.4%	13.6%	32.4%	67.6%	100.0%	
	Unit Rate	each								1,739.74	2,683.13	697.13	1,657.12	3,462.89	5,120.00	

502(2)c5 Junction Box Converted to Curb Inlet Manhole for RCPC I-φ1070 x I-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.70	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	170.47	91.55	362.38	255.57	368.83	624.40	
W0025	Disposal of Demolished Debris	m3	0.70	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	15.58	12.36	67.96	44.96	50.94	95.90	
W0751	Concrete Hollow Block (150x200x100mm), furnish & Laying including mortar fill	each	56.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,053.59	1,091.61	38.79	414.12	1,769.88	2,184.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.41	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	16.98	532.80	118.52	378.89	289.41	668.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.40	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	15.97	0.20	86.63	46.42	56.38	102.80	
W0237	Concrete Curing (reinforced concrete)	m3	0.40	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.25	0.13	0.30	0.23	1.45	1.68	
W0241	Formwork (reinforced concrete 114m)	m2	3.04	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	403.71	271.90	5.34	19.87	661.09	680.96	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	28.34	15.2%	77.0%	7.8%	64.0%	46.0%	23.30	100.28	508.48	51.56	356.54	303.78	660.32	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	6.57	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	76.22	109.58	13.27	77.64	121.43	199.07	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,883.45	2,910.36	768.53	1,804.38	3,757.95	5,562.33	
Components (%)										33.9%	52.3%	13.8%	32.4%	67.6%	100.0%	
Unit Rate			each							1,882.66	2,909.14	768.20	1,803.62	3,756.38	5,560.00	

502(2)c6 Junction Box Converted to Curb Inlet Manhole for RCPC I-φ1220 x I-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.76	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	185.08	99.40	393.44	277.48	400.44	677.92	
W0025	Disposal of Demolished Debris	m3	0.76	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	16.92	13.42	73.78	48.81	55.31	104.12	
W0751	Concrete Hollow Block (150x200x100mm), furnish & Laying including mortar fill	each	59.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,110.04	1,150.09	40.87	436.30	1,864.70	2,301.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.45	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	18.64	584.78	130.08	415.85	317.65	733.50	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.44	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	17.57	0.22	95.29	51.07	62.01	113.08	
W0237	Concrete Curing (reinforced concrete)	m3	0.44	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.38	0.14	0.33	0.26	1.59	1.85	
W0241	Formwork (reinforced concrete 114m)	m2	3.27	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	434.26	292.48	5.74	21.37	711.11	732.48	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	30.60	15.2%	77.0%	7.8%	64.0%	46.0%	23.30	108.28	549.03	55.67	384.97	328.01	712.98	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	7.33	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	85.04	122.25	14.81	86.62	135.48	222.10	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,006.58	3,103.56	833.80	1,932.87	4,011.06	5,943.93	
Components (%)										33.8%	52.2%	14.0%	32.5%	67.5%	100.0%	
Unit Rate			each							2,005.25	3,101.50	833.25	1,931.59	4,008.41	5,940.00	

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.88	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	214.31	115.09	455.56	321.29	463.67	784.96	
W0025	Disposal of Demolished Debris	m3	0.88	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	19.59	15.54	85.43	56.52	64.04	120.56	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	66.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,241.74	1,286.54	45.72	488.07	2,085.93	2,574.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.53	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	21.95	688.74	153.21	489.78	374.12	863.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.52	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	20.76	0.26	112.62	60.35	73.29	133.64	
W0237	Concrete Curing (reinforced concrete)	m3	0.52	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.63	0.17	0.39	0.31	1.88	2.19	
W0241	Formwork (reinforced concrete H<4m)	m2	3.73	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	495.35	333.62	6.55	24.38	811.14	835.52	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	35.04	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	123.99	628.70	63.74	440.83	375.60	816.43	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	8.62	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	100.01	142.77	17.41	101.87	159.32	261.19	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,268.70	3,504.17	964.42	2,193.53	4,543.76	6,737.29	
Components (%)										33.7%	52.0%	14.3%	32.6%	67.4%	100.0%	
Unit Rate			each							2,269.61	3,505.58	964.81	2,194.41	4,545.59	6,740.00	

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.59	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	143.69	77.16	305.43	215.41	319.87	526.28	
W0025	Disposal of Demolished Debris	m3	0.59	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	13.13	10.42	57.28	37.89	42.94	80.83	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	49.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	921.89	955.16	33.94	362.35	1,548.65	1,911.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.33	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	13.67	428.84	95.39	304.96	232.94	537.90	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.32	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	12.78	0.16	69.30	37.14	45.10	82.24	
W0237	Concrete Curing (reinforced concrete)	m3	0.32	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.01	0.10	0.24	0.19	1.16	1.35	
W0241	Formwork (reinforced concrete H<4m)	m2	2.62	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	347.94	234.34	4.60	17.13	569.75	586.89	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	24.25	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	85.81	435.10	44.12	305.09	259.94	565.03	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	4.52	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	52.44	75.39	9.13	53.42	83.54	136.96	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,621.73	2,508.42	643.22	1,543.71	3,229.66	4,773.37	
Components (%)										34.0%	52.6%	13.5%	32.3%	67.7%	100.0%	
Unit Rate			each							1,620.58	2,506.65	642.77	1,542.62	3,227.38	4,770.00	

502(2)c13 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ760 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (P)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.66	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	160.73	86.32	341.67	240.97	347.75	588.72		
W0025	Disposal of Demolished Debris	m3	0.66	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	14.69	11.66	64.07	42.39	48.03	90.42		
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	52.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	978.34	1,013.64	36.02	384.54	1,643.46	2,028.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.38	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	15.74	493.81	109.85	351.16	268.24	619.40	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.37	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	14.77	0.19	80.13	42.94	52.15	95.09		
W0237	Concrete Curing (reinforced concrete)	m3	0.37	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.16	0.12	0.28	0.22	1.34	1.56		
W0241	Formwork (reinforced concrete 114m)	m2	2.87	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	381.14	256.70	5.04	18.76	624.12	642.88		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	26.63	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	94.23	477.80	48.45	335.03	285.45	620.48		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	5.04	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	58.47	84.06	10.18	59.56	93.15	152.71		
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										1,748.85	2,716.04	719.47	1,685.70	3,498.46	5,184.16		
Components (%)										33.7%	52.4%	13.9%	32.5%	67.5%	100.0%		
Unit Rate		each								1,747.25	2,713.86	718.90	1,684.35	3,495.65	5,180.00		

502(2)c14 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ910 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (P)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.72	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	175.34	94.17	372.73	262.87	379.37	642.24		
W0025	Disposal of Demolished Debris	m3	0.72	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	16.03	12.71	69.90	46.24	52.40	98.64		
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	56.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,053.59	1,091.61	38.79	414.12	1,769.88	2,184.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.42	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	17.40	545.79	121.41	388.13	296.47	684.60	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.41	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	16.37	0.21	88.79	47.58	57.79	105.37		
W0237	Concrete Curing (reinforced concrete)	m3	0.41	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.29	0.13	0.31	0.24	1.49	1.73		
W0241	Formwork (reinforced concrete 114m)	m2	3.14	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	416.99	280.85	5.52	20.52	682.84	703.36		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	29.13	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	103.08	522.66	52.99	366.48	312.25	678.73		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	5.81	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	87.40	96.90	11.74	68.56	107.38	176.04		
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										1,898.87	2,936.77	785.96	1,824.99	3,794.62	5,619.61		
Components (%)										33.8%	52.3%	14.0%	32.5%	67.5%	100.0%		
Unit Rate		each								1,897.00	2,936.98	786.02	1,825.11	3,794.89	5,620.00		

502(2)c15 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ1070 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.79	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	192.39	103.32	408.97	288.43	416.25	704.68	
W0025	Disposal of Demolished Debris	m3	0.79	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	17.59	13.95	76.69	50.74	57.49	108.23	
W0751	Concrete Hollow Block (150x200x400mm), Furnish & Laying including mortar fill	each	59.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,110.04	1,150.09	40.87	436.30	1,864.70	2,301.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.47	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	19.47	610.77	135.87	434.33	331.77	766.10	Loss 2.0%
W0232	Concrete Pumping by Pump Vehicle (reinforced concrete)	m3	0.46	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	18.37	0.23	99.62	53.39	64.83	118.22	
W0237	Concrete Curing (reinforced concrete)	m3	0.46	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.45	0.15	0.34	0.27	1.67	1.94	
W0241	Formwork (reinforced concrete 114m)	m2	3.40	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	451.52	304.10	5.97	22.22	739.38	761.60	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	31.62	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	111.89	567.34	57.52	397.81	338.94	736.75	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	6.57	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	76.22	109.58	13.27	77.64	121.43	199.07	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									2,028.30	3,151.27	862.92	1,971.27	4,071.22	6,042.49	
	Components (%)									33.6%	52.2%	14.3%	32.6%	67.4%	100.0%	
	Unit Rate	each								2,027.46	3,149.97	862.56	1,970.46	4,069.54	6,040.00	

502(2)c16 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ1220 x 1-φ810

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.85	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	207.00	111.17	440.03	310.33	447.87	758.20	
W0025	Disposal of Demolished Debris	m3	0.85	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	18.92	15.01	82.52	54.59	61.86	116.45	
W0751	Concrete Hollow Block (150x200x400mm), Furnish & Laying including mortar fill	each	63.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,185.29	1,228.06	43.64	465.88	1,991.12	2,457.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.52	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	21.54	675.74	150.32	480.54	367.06	847.60	Loss 2.0%
W0232	Concrete Pumping by Pump Vehicle (reinforced concrete)	m3	0.51	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	20.36	0.26	110.45	59.19	71.88	131.07	
W0237	Concrete Curing (reinforced concrete)	m3	0.51	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.60	0.16	0.38	0.30	1.85	2.15	
W0241	Formwork (reinforced concrete 114m)	m2	3.67	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	487.38	328.25	6.45	23.99	798.09	822.08	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	34.11	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	120.70	612.01	62.05	429.13	365.63	794.76	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	7.33	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	85.04	122.25	14.81	86.62	135.48	222.10	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									2,177.21	3,384.66	934.43	2,120.72	4,375.59	6,496.31	
	Components (%)									33.5%	52.1%	14.4%	32.6%	67.4%	100.0%	
	Unit Rate	each								2,176.45	3,386.59	934.96	2,121.92	4,378.08	6,500.00	

502(2)e17 Junction Box Converted to Curb Inlet Manhole for RCPC 1-φ1520 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.98	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	238.66	128.17	507.33	357.80	516.36	874.16	
W0025	Disposal of Demolished Debris	m3	0.98	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	21.81	17.31	95.14	62.94	71.32	134.26	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	70.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,316.99	1,364.51	48.49	517.65	2,212.35	2,730.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.62	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	25.68	805.69	179.23	572.95	437.65	1,010.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.61	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	24.35	0.31	132.11	70.80	85.97	156.77	
W0237	Concrete Curing (reinforced concrete)	m3	0.61	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.92	0.20	0.46	0.36	2.21	2.57	
W0241	Formwork (reinforced concrete 114m)	m2	4.18	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	555.11	373.87	7.34	27.32	909.00	936.32	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	38.98	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	137.93	699.39	70.91	490.40	417.83	908.23	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	8.62	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	100.01	143.77	17.41	101.87	159.32	261.19	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,451.84	3,824.96	1,082.20	2,412.22	4,946.78	7,359.00	
Components (%)										33.3%	52.0%	14.7%	32.8%	67.2%	100.0%	
Unit Rate			each							2,452.17	3,825.49	1,082.35	2,412.54	4,947.46	7,360.00	

502(2)e21 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ460 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	0.68	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	165.60	88.93	352.02	248.27	358.29	606.56	
W0025	Disposal of Demolished Debris	m3	0.68	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	15.14	12.01	66.02	43.67	49.49	93.16	
W0751	Concrete Hollow Block (150x200x400mm), furnish & laying including mortar fill	each	54.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,015.97	1,052.63	37.41	399.33	1,706.67	2,106.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.39	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	16.16	506.81	112.74	360.40	275.30	635.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.38	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	15.17	0.19	82.30	44.10	53.56	97.66	
W0237	Concrete Curing (reinforced concrete)	m3	0.38	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.19	0.12	0.28	0.22	1.38	1.60	
W0241	Formwork (reinforced concrete 114m)	m2	2.95	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	391.76	263.86	5.18	19.28	641.52	660.80	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	27.65	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	97.84	496.11	50.30	347.86	296.39	644.25	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	6.22	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	72.16	103.74	12.56	73.51	114.96	188.47	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										1,820.36	2,816.14	742.60	1,746.79	3,632.31	5,379.10	
Components (%)										33.8%	52.4%	13.8%	32.5%	67.5%	100.0%	
Unit Rate			each							1,820.67	2,816.61	742.72	1,747.08	3,632.92	5,380.00	

502(2)e22 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ610 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handheld Breaker (Lightly Reinforced Structures)	m3	0.81	27.3%	14.7%	58.0%	48.9%	59.1%	892.00	197.26	105.94	419.32	295.73	426.79	722.52	
W0025	Disposal of Demolished Debris	m3	0.81	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	18.03	14.30	78.64	52.02	58.95	110.97	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	62.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,166.48	1,208.57	42.95	458.49	1,959.51	2,418.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.48	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	19.88	623.76	138.76	443.58	338.82	782.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.47	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	18.77	0.24	101.79	54.55	66.24	120.79	
W0237	Concrete Curing (reinforced concrete)	m3	0.47	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.48	0.15	0.35	0.28	1.70	1.98	
W0241	Formwork (reinforced concrete R<4m)	m2	3.47	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	460.82	310.37	6.10	22.68	754.60	777.28	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	32.58	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	115.28	584.56	59.27	409.88	349.23	759.11	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	7.82	38.3%	55.0%	6.7%	39.0%	61.0%	30.38	90.73	130.43	15.80	92.41	144.54	236.95	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									2,118.10	3,270.05	886.75	2,039.75	4,235.15	6,274.90	
	Components (%)									33.8%	52.1%	14.1%	32.5%	67.5%	100.0%	
	Unit Rate	each								2,116.44	3,267.50	886.06	2,038.16	4,231.84	6,270.00	

502(2)e23 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ760 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handheld Breaker (Lightly Reinforced Structures)	m3	0.94	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	228.92	122.94	486.62	343.19	495.29	838.48	
W0025	Disposal of Demolished Debris	m3	0.94	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	20.92	16.60	91.26	60.37	68.41	128.78	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	70.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,316.99	1,364.51	48.49	517.65	2,212.35	2,730.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.58	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	24.03	753.71	167.66	535.99	409.41	945.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.57	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	22.76	0.29	123.45	68.15	80.34	146.49	
W0237	Concrete Curing (reinforced concrete)	m3	0.57	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.79	0.18	0.43	0.33	2.07	2.40	
W0241	Formwork (reinforced concrete R<4m)	m2	3.98	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	528.55	355.98	6.99	26.02	885.50	891.52	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	37.51	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	132.73	673.01	68.24	471.90	402.08	873.98	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	9.42	38.3%	55.0%	6.7%	39.0%	61.0%	30.38	109.29	157.11	19.03	111.32	174.11	285.43	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									2,415.35	3,736.89	1,035.95	2,343.07	4,844.31	7,187.38	
	Components (%)									33.6%	52.0%	14.4%	32.6%	67.4%	100.0%	
	Unit Rate	each								2,416.23	3,737.45	1,036.32	2,343.92	4,846.08	7,190.00	

502(2)c24		Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ910 x 1-φ460										Unit:		1.00 each			
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.07	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	260.58	139.94	553.92	590.66	563.78	954.44		
W0025	Disposal of Demolished Debris	m3	1.07	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	23.82	18.90	103.88	68.72	77.87	146.59		
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	78.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,467.51	1,520.46	54.03	576.81	2,465.19	3,042.00		
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	0.67	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	27.75	870.67	193.68	619.16	472.94	1,092.10	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.66	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	26.35	0.33	142.94	76.60	93.02	169.62		
W0237	Concrete Curing (reinforced concrete)	m3	0.66	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.07	0.21	0.49	0.39	2.39	2.78		
W0241	Formwork (reinforced concrete H4m)	m2	4.50	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	597.60	402.49	7.91	29.41	978.59	1,008.00		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	42.44	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	150.18	761.47	77.21	533.93	454.92	988.86		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	11.02	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	127.85	183.80	22.26	130.23	203.68	333.91		
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										2,713.08	4,190.01	1,180.10	2,636.04	5,447.15	8,083.19		
Components (%)										33.6%	51.8%	14.6%	32.6%	67.4%	100.0%		
Unit Rate		each								2,712.01	4,188.35	1,179.63	2,635.00	5,445.00	8,080.00		

502(2)c25		Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ1070 x 1-φ460										Unit:		1.00 each			
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.21	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	294.67	158.25	626.39	441.77	637.55	1,079.32		
W0025	Disposal of Demolished Debris	m3	1.21	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	26.93	21.37	117.47	77.71	88.06	165.77		
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	87.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,636.83	1,695.90	60.27	643.36	2,749.64	3,393.00		
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	0.79	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	32.72	1,026.61	228.37	730.05	557.65	1,287.70	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.77	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	30.74	0.39	166.76	89.37	108.52	197.89		
W0237	Concrete Curing (reinforced concrete)	m3	0.77	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.42	0.25	0.58	0.45	2.79	3.24		
W0241	Formwork (reinforced concrete H4m)	m2	5.05	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	670.64	451.68	8.87	33.01	1,098.19	1,131.20		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	47.67	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	168.68	855.31	86.72	599.73	510.98	1,110.71		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	12.89	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	149.55	214.99	26.04	152.33	238.24	390.57		
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										3,042.57	4,716.48	1,345.25	2,977.91	6,126.39	9,104.30		
Components (%)										33.4%	51.8%	14.8%	32.7%	67.3%	100.0%		
Unit Rate		each								3,041.13	4,714.25	1,344.62	2,976.51	6,123.49	9,100.00		

502(2)c26 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ1220 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.35	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	328.77	176.56	698.87	492.88	711.32	1,204.20	
W0025	Disposal of Demolished Debris	m3	1.35	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	30.05	23.84	131.06	86.70	98.25	184.95	
W0751	Concrete Hollow Block (150x200x100mm), furnish & Laying including mortar fill	each	95.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,787.35	1,851.84	85.81	702.52	3,002.48	3,705.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.88	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	36.45	1,143.56	254.39	813.22	621.18	1,434.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.86	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	34.34	0.43	186.25	99.81	121.21	221.02	
W0237	Concrete Curing (reinforced concrete)	m3	0.86	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.70	0.28	0.64	0.51	3.11	3.62	
W0241	Formwork (reinforced concrete 114m)	m2	5.57	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	739.70	498.19	9.79	36.41	1,211.27	1,247.68	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	52.60	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	186.13	943.76	95.69	661.75	563.83	1,225.68	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	14.49	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	168.11	241.67	29.27	171.23	267.82	439.05	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,342.96	5,171.89	1,495.55	3,275.18	6,735.22	10,010.40	
Components (%)										33.4%	51.7%	14.9%	32.7%	67.3%	100.0%	
Unit Rate			each							3,339.49	5,166.51	1,494.00	3,271.77	6,728.23	10,000.00	

502(2)c27 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ1520 x 1-φ460

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.61	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	392.09	210.57	833.47	587.81	848.31	1,436.12	
W0025	Disposal of Demolished Debris	m3	1.61	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	35.84	28.43	156.30	103.40	117.17	220.57	
W0751	Concrete Hollow Block (150x200x100mm), furnish & Laying including mortar fill	each	111.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,088.37	2,163.73	76.90	820.84	3,508.16	4,329.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.07	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	44.32	1,390.47	309.31	998.80	765.30	1,744.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.05	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	41.92	0.53	227.40	121.86	147.99	269.85	
W0237	Concrete Curing (reinforced concrete)	m3	1.05	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.30	0.34	0.79	0.62	3.80	4.42	
W0241	Formwork (reinforced concrete 114m)	m2	6.60	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	876.48	590.32	11.60	43.14	1,435.26	1,478.40	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	62.47	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	221.05	1,120.85	113.65	785.92	669.63	1,455.55	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	17.69	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	205.23	295.04	35.73	209.05	328.96	536.01	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,937.99	6,092.02	1,788.92	3,871.58	7,947.34	11,818.92	
Components (%)										33.3%	51.5%	15.1%	32.8%	67.2%	100.0%	
Unit Rate			each							3,931.68	6,082.27	1,786.05	3,865.39	7,934.61	11,800.00	

502(2)c32 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ610 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (lightly Reinforced Structures)	m3	0.91	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	221.61	119.02	471.09	332.24	479.48	811.72	
W0025	Disposal of Demolished Debris	m3	0.91	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	20.26	16.07	88.34	58.44	66.23	124.67	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	66.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,241.74	1,286.54	45.72	488.07	2,085.93	2,574.00	
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	0.56	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	23.20	727.72	161.88	517.50	395.30	912.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.55	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	21.96	0.28	119.11	63.83	77.52	141.35	
W0237	Concrete Curing (reinforced concrete)	m3	0.55	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	1.73	0.18	0.41	0.32	2.00	2.32	
W0241	Formwork (reinforced concrete 1K4m)	m2	3.89	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	516.59	347.93	6.83	25.43	845.93	871.36	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	36.26	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	128.31	650.59	65.96	456.18	388.68	844.86	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	7.82	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	90.73	130.43	15.80	92.41	144.54	236.95	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.80	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,295.49	3,570.49	998.94	2,244.57	4,620.36	6,864.93	
Components (%)										33.4%	52.0%	14.6%	32.7%	67.3%	100.0%	
Unit Rate			each							2,293.85	3,567.93	998.22	2,242.96	4,617.04	6,860.00	

502(2)c33 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ760 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (lightly Reinforced Structures)	m3	1.05	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	255.71	137.33	543.57	383.35	553.25	936.60	
W0025	Disposal of Demolished Debris	m3	1.05	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	23.37	18.54	101.94	67.43	76.42	143.85	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	74.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,392.25	1,442.49	51.26	547.23	2,338.77	2,886.00	
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	0.67	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	27.75	870.67	193.68	619.16	472.94	1,092.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.66	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	26.35	0.33	142.94	76.60	93.02	169.62	
W0237	Concrete Curing (reinforced concrete)	m3	0.66	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.07	0.21	0.49	0.39	2.39	2.78	
W0241	Formwork (reinforced concrete 1K4m)	m2	4.48	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	594.95	400.70	7.87	29.28	974.24	1,003.52	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	41.69	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	147.52	748.01	75.84	524.50	446.88	971.38	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	9.42	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	109.29	157.11	19.03	111.32	174.11	285.43	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,608.64	4,067.14	1,160.40	2,569.40	5,266.79	7,836.19	
Components (%)										33.3%	51.9%	14.8%	32.8%	67.2%	100.0%	
Unit Rate			each							2,609.91	4,069.12	1,160.97	2,570.65	5,269.35	7,840.00	

502(2)c34 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ910 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.20	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	292.24	156.94	621.22	438.12	632.28	1,070.40	
W0025	Disposal of Demolished Debris	m3	1.20	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	26.71	21.19	116.50	77.07	87.33	164.40	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	82.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,542.76	1,598.43	56.81	606.39	2,591.61	3,198.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.79	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	32.72	1,026.61	228.37	730.05	557.65	1,287.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.77	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	30.74	0.39	166.76	89.37	108.52	197.89	
W0237	Concrete Curing (reinforced concrete)	m3	0.77	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.42	0.25	0.58	0.45	2.79	3.24	
W0241	Formwork (reinforced concrete H<4m)	m2	5.06	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	671.97	452.58	8.89	33.07	1,100.37	1,133.41	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	47.12	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	166.74	845.44	85.72	592.81	505.09	1,097.90	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	11.02	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	127.85	183.80	22.26	130.23	203.68	333.91	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,923.53	4,577.37	1,330.88	2,907.70	5,924.08	8,831.78	
Components (%)										33.1%	51.8%	15.1%	32.9%	67.1%	100.0%	
Unit Rate		each								2,922.94	4,576.45	1,330.61	2,907.11	5,922.89	8,830.00	

502(2)c35 Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ1070 x 1-φ610

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.36	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	331.20	177.87	704.05	496.54	716.58	1,213.12	
W0025	Disposal of Demolished Debris	m3	1.36	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	30.27	24.02	132.03	87.34	98.98	186.32	
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	91.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,712.09	1,773.87	63.04	672.94	2,876.06	3,549.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.91	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	37.70	1,182.55	263.06	840.94	642.36	1,483.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.89	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	35.53	0.45	192.75	103.29	125.44	228.73	
W0237	Concrete Curing (reinforced concrete)	m3	0.89	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.80	0.29	0.67	0.52	3.23	3.75	
W0241	Formwork (reinforced concrete H<4m)	m2	5.70	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	756.96	509.82	10.01	37.26	1,209.54	1,276.80	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	52.87	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	187.08	948.61	96.18	665.15	566.72	1,231.87	
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00	
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30	
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	12.89	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	149.55	214.99	26.04	152.33	238.24	390.57	
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,272.56	5,124.19	1,511.61	3,266.45	6,641.91	9,908.36	
Components (%)										33.0%	51.7%	15.3%	33.0%	67.0%	100.0%	
Unit Rate		each								3,273.10	5,125.04	1,511.86	3,266.99	6,643.01	9,910.00	

502(2)c36		Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ 1220 x 1-φ 610										Unit:		1.00 each			
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.50	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	365.30	196.18	776.52	547.65	790.35	1,338.00		
W0025	Disposal of Demolished Debris	m3	1.50	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	33.39	26.49	145.62	96.33	109.17	205.50		
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	99.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	1,862.60	1,929.81	68.58	732.10	3,128.90	3,861.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.02	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	42.25	1,325.49	294.86	942.60	720.00	1,662.60	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.00	15.6%	0.2%	84.3%	45.2%	54.8%	257.00	39.93	0.50	216.57	116.06	140.94	257.00		
W0237	Concrete Curing (reinforced concrete)	m3	1.00	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.14	0.32	0.75	0.59	3.62	4.21		
W0241	Formwork (reinforced concrete 114m)	m2	6.28	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	833.99	561.70	11.03	41.05	1,365.67	1,406.72		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	58.30	15.2%	77.0%	7.8%	54.4%	46.0%	23.30	206.30	1,046.03	106.06	733.46	624.93	1,358.39		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	14.49	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	168.11	241.67	29.27	171.23	267.82	439.05		
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										3,584.38	5,619.95	1,673.05	3,591.21	7,286.16	10,877.37		
Components (%)										33.0%	51.7%	15.4%	33.0%	67.0%	100.0%		
Unit Rate		each								3,591.83	5,631.64	1,676.53	3,598.68	7,301.32	10,900.00		

502(2)c37		Junction Box Converted to Curb Inlet Manhole for RCPC 2-φ 1520 x 1-φ 610										Unit:		1.00 each			
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
W0013	Demolition by Pneumatic Handhold Breaker (Lightly Reinforced Structures)	m3	1.79	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	435.92	234.11	926.65	653.53	943.15	1,596.68		
W0025	Disposal of Demolished Debris	m3	1.79	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	39.84	31.61	173.78	114.96	130.27	245.23		
W0751	Concrete Hollow Block (150x200x400mm), furnish & Laying including mortar fill	each	115.00	48.2%	50.0%	1.8%	19.0%	81.0%	39.00	2,163.63	2,241.70	79.67	850.42	3,634.58	4,485.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.24	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	51.37	1,611.38	358.45	1,145.90	875.30	2,021.20	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.22	15.6%	0.2%	84.3%	45.2%	54.8%	257.00	48.71	0.61	264.22	141.59	171.95	313.54		
W0237	Concrete Curing (reinforced concrete)	m3	1.22	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.84	0.39	0.91	0.72	4.42	5.14		
W0241	Formwork (reinforced concrete 114m)	m2	7.46	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	990.69	687.24	13.11	48.76	1,622.28	1,671.04		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	69.15	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	244.69	1,240.71	125.80	869.97	741.23	1,611.20		
W0701	Precast Concrete Cover (580x480x70), furnish	each	1.00	1.3%	90.2%	8.5%	62.8%	37.2%	117.00	1.57	105.53	9.89	73.52	43.48	117.00		
W0702	Precast Concrete Cover (580x480x70), installation	each	1.00	89.3%	1.1%	9.6%	5.4%	94.6%	10.30	9.20	0.11	0.99	0.55	9.75	10.30		
W0716	Steel Grate for Manhole Inlet, furnish & installation	kg	17.69	38.3%	55.0%	6.7%	39.0%	61.0%	30.30	205.23	295.04	35.73	209.05	326.96	536.01		
W0712	Iron Step for Special Junction Box Manholes, furnish & installation	each	4.00	8.5%	85.5%	5.9%	62.5%	37.5%	54.40	18.60	186.10	12.89	136.07	81.53	217.60		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										4,213.30	6,614.55	2,002.10	4,245.04	8,584.90	12,829.94		
Components (%)										32.8%	51.6%	15.6%	33.1%	66.9%	100.0%		
Unit Rate		each								4,203.47	6,599.11	1,997.42	4,235.13	8,564.87	12,800.00		

502(3)a1 Catch Basin for RCPC 1-φ460mm		Unit: 1.00 each															
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount							Remarks
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local	Total (PP)		
W0161	Gravel Foundation Fill	m3	0.21	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	20.33	10.71	60.86	31.93	49.97	81.90		
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%	
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00		
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.42	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	100.25	3,144.79	699.56	2,236.36	1,708.24	3,944.60	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.37	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	94.62	1.19	513.27	275.06	334.03	609.09		
W0237	Concrete Curing (reinforced concrete)	m3	2.37	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	7.45	0.76	1.77	1.39	8.59	9.98		
W0241	Formwork (reinforced concrete 11<4m)	m2	18.81	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,497.98	1,682.41	33.05	122.95	4,090.49	4,213.44		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	122.20	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	432.41	2,192.54	222.31	1,537.38	1,309.88	2,847.26		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
	Total									3,153.04	7,832.41	1,520.83	4,205.07	7,581.20	11,706.27		
	Components (%)									26.9%	60.1%	13.0%	35.9%	64.1%	100.0%		
	Unit Rate	each								3,151.35	7,828.64	1,520.01	4,202.81	7,497.19	11,700.00		

502(3)a2 Catch Basin for RCPC 1-φ610mm		Unit: 1.00 each															
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount							Remarks
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local	Total (PP)		
W0161	Gravel Foundation Fill	m3	0.27	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	26.14	13.76	65.40	41.05	64.25	105.30		
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%	
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00		
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.98	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	123.44	3,872.51	861.45	2,753.86	2,103.54	4,857.40	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.92	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	116.58	1.47	632.39	338.90	411.64	750.44		
W0237	Concrete Curing (reinforced concrete)	m3	2.92	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	9.17	0.94	2.18	1.72	10.57	12.29		
W0241	Formwork (reinforced concrete 11<4m)	m2	23.15	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,074.34	2,070.59	40.67	151.32	5,034.28	5,185.60		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	148.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	523.70	2,455.45	269.24	1,861.96	1,586.44	3,448.40		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
	Total									3,873.38	8,614.73	1,871.33	5,148.80	9,210.63	14,359.43		
	Components (%)									27.0%	60.0%	13.0%	35.9%	64.1%	100.0%		
	Unit Rate	each								3,864.32	8,639.07	1,876.61	5,163.35	9,236.65	14,400.00		

502(3)a3 Catch Basin for RCPC 1-φ760mm		Unit: 1.00 each															
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount							Remarks
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local	Total (PP)		
W0161	Gravel Foundation Fill	m3	0.32	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	30.98	16.31	77.51	48.65	76.15	124.80		
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%	
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00		
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	3.55	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	147.05	4,613.23	1,026.22	3,280.61	2,505.89	5,786.50	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	3.48	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	138.94	1.75	753.67	403.89	490.47	894.36		
W0237	Concrete Curing (reinforced concrete)	m3	3.48	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	10.93	1.12	2.60	2.04	12.61	14.65		
W0241	Formwork (reinforced concrete 11<4m)	m2	27.47	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,648.04	2,456.98	48.26	179.56	5,973.72	6,153.28		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	174.90	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	618.89	3,138.10	318.18	2,200.39	1,874.78	4,075.17		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
	Total									4,594.83	10,227.48	2,226.43	6,115.13	10,933.63	17,049.76		
	Components (%)									27.0%	60.0%	13.1%	35.9%	64.1%	100.0%		
	Unit Rate	each								4,581.69	10,198.24	2,220.07	6,097.64	10,902.36	17,000.00		

502(3)a4 Catch Basin for RCPC 1-φ910mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			Local
W0161	Gravel Foundation Fill	m3	0.37	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	35.82	18.86	89.62	56.25	88.05	144.30	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.16	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	172.32	5,405.92	1,202.55	3,844.32	2,936.48	6,780.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	4.08	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	162.90	2.06	883.61	473.53	575.03	1,048.56	
W0237	Concrete Curing (reinforced concrete)	m3	4.08	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	12.82	1.31	3.05	2.40	14.78	17.18	
W0241	Formwork (reinforced concrete 11x4m)	m2	32.15	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,269.54	2,875.57	58.48	210.15	6,991.45	7,201.60	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	204.10	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	722.21	3,682.01	371.30	2,567.75	2,187.78	4,755.53	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,375.62	11,965.74	2,606.61	7,154.39	12,793.58	19,947.97	
Components (%)										26.9%	60.0%	13.1%	35.9%	64.1%	100.0%	
Unit Rate			each							5,362.69	11,936.96	2,600.35	7,137.18	12,762.82	19,900.00	

502(3)a5 Catch Basin for RCPC 1-φ1070mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			Local
W0161	Gravel Foundation Fill	m3	0.43	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	41.63	21.92	104.15	65.37	102.33	167.70	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.87	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	201.73	6,328.57	1,407.80	4,500.44	3,437.66	7,938.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	4.77	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	190.45	2.40	1,033.04	553.61	672.28	1,225.89	
W0237	Concrete Curing (reinforced concrete)	m3	4.77	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	14.99	1.53	3.57	2.80	17.28	20.08	
W0241	Formwork (reinforced concrete 11x4m)	m2	37.44	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,972.06	3,348.72	65.78	244.72	8,141.84	8,386.56	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	236.20	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	835.80	4,237.96	429.70	2,971.59	2,531.87	5,503.46	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										6,256.65	13,941.11	3,044.03	8,338.54	14,903.25	23,241.79	
Components (%)										26.9%	60.0%	13.1%	35.9%	64.1%	100.0%	
Unit Rate			each							6,245.40	13,916.04	3,038.56	8,323.54	14,876.46	23,200.00	

502(3)a6 Catch Basin for RCPC 1-φ1220mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			Local
W0161	Gravel Foundation Fill	m3	0.50	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	48.41	25.49	121.11	76.02	118.98	195.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	5.58	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	231.15	7,251.21	1,613.04	5,158.56	3,938.84	9,095.40	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	5.47	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	218.39	2.76	1,184.64	634.85	770.94	1,405.79	
W0237	Concrete Curing (reinforced concrete)	m3	5.47	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	17.19	1.75	4.09	3.21	19.82	23.03	
W0241	Formwork (reinforced concrete 11x4m)	m2	42.87	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	5,493.17	3,834.40	75.32	280.22	9,322.66	9,602.88	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	269.90	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	955.05	4,842.61	491.00	3,395.56	2,893.11	6,288.67	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										7,163.35	15,958.22	3,489.20	9,546.42	17,064.35	26,610.77	
Components (%)										26.9%	60.0%	13.1%	35.9%	64.1%	100.0%	
Unit Rate			each							7,160.45	15,951.76	3,487.79	9,542.56	17,057.44	26,600.00	

502(3)a7 Catch Basin for RCPC 1-φ1520mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.64	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	61.96	32.63	155.01	97.30	152.30	249.60	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	7.15	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	206.18	9,291.43	2,066.89	6,607.42	5,047.08	11,654.50	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	7.01	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	279.88	3.53	1,518.16	813.58	987.99	1,801.57	
W0237	Concrete Curing (reinforced concrete)	m3	7.01	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	22.02	2.25	5.24	4.12	25.39	29.51	
W0241	Formwork (reinforced concrete 114m)	m2	54.79	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	7,276.15	4,900.55	96.26	358.13	11,914.83	12,272.96	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	343.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,216.55	6,168.55	625.44	4,325.29	3,685.25	8,010.54	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										9,152.74	20,398.93	4,467.01	12,205.84	21,812.84	34,018.68	
Components (%)										26.9%	60.0%	13.1%	35.9%	64.1%	100.0%	
Unit Rate			each							9,147.71	20,387.73	4,464.56	12,199.14	21,800.86	34,000.00	

502(3)b1 Catch Basin for RCPC 2-φ460mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.32	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	30.98	16.31	77.51	48.65	76.15	124.80	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	3.49	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	144.57	4,535.26	1,008.87	3,225.18	2,463.54	5,688.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	3.42	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	136.55	1.72	740.67	386.93	482.01	878.94	
W0237	Concrete Curing (reinforced concrete)	m3	3.42	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	18.75	1.10	2.56	2.01	12.39	14.40	
W0241	Formwork (reinforced concrete 114m)	m2	25.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,328.02	2,236.06	43.92	163.41	5,436.59	5,660.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	167.10	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	591.29	2,998.15	303.99	2,102.25	1,791.18	3,893.43	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										4,234.15	9,788.60	2,177.52	5,938.41	10,261.86	16,200.27	
Components (%)										26.1%	60.4%	13.4%	36.7%	63.3%	100.0%	
Unit Rate			each							4,234.08	9,788.44	2,177.48	5,938.31	10,261.69	16,200.00	

502(3)b2 Catch Basin for RCPC 2-φ610mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.43	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	41.63	21.92	104.15	65.37	102.33	167.70	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.52	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	187.24	5,873.74	1,306.62	4,177.00	3,190.60	7,367.60	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	4.43	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	176.87	2.23	959.41	514.15	624.36	1,139.51	
W0237	Concrete Curing (reinforced concrete)	m3	4.43	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	13.92	1.42	3.31	2.60	16.05	18.65	
W0241	Formwork (reinforced concrete 114m)	m2	31.96	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	4,244.31	2,858.58	56.15	208.90	6,950.14	7,159.04	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	214.50	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	759.02	3,848.61	390.22	2,698.59	2,299.26	4,997.85	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,422.98	12,606.51	2,819.86	7,666.61	13,182.74	20,849.35	
Components (%)										26.0%	60.5%	13.5%	36.8%	63.2%	100.0%	
Unit Rate			each							5,410.14	12,576.67	2,813.19	7,648.47	13,151.53	20,800.00	

502(3)b3 Catch Basin for RCPC 2-φ760mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)				
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.55	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	53.25	28.04	33.22	83.63	130.88	214.50	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	5.61	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	232.39	7,290.20	1,621.71	5,184.28	3,960.02	9,144.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	5.50	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	219.59	2.77	1,191.14	638.33	775.17	1,413.50	
W0237	Concrete Curing (reinforced concrete)	m3	5.50	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	17.28	1.76	4.11	3.23	19.93	23.16	
W0241	Formwork (reinforced concrete 114m)	m2	39.20	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	5,205.79	3,506.14	68.87	256.23	8,524.57	8,780.80	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	285.60	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	939.83	4,765.46	483.18	3,341.47	2,847.01	6,188.48	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										6,668.13	15,594.38	3,502.23	9,507.16	16,257.58	26,764.74	
Components (%)										25.9%	60.5%	13.6%	36.9%	63.1%	100.0%	
Unit Rate			each							6,677.26	15,615.72	3,507.02	9,520.17	16,279.83	26,800.00	

502(3)b4 Catch Basin for RCPC 2-φ910mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)				
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.67	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	64.86	34.16	162.28	101.86	159.44	261.30	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	6.80	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	281.68	8,836.60	1,965.71	6,283.98	4,800.02	11,084.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	6.67	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	266.30	3.36	1,444.52	774.12	940.07	1,714.19	
W0237	Concrete Curing (reinforced concrete)	m3	6.67	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	20.96	2.14	4.99	3.92	24.16	28.08	
W0241	Formwork (reinforced concrete 114m)	m2	47.11	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	6,256.24	4,213.63	82.77	307.93	10,552.64		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	316.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,118.18	5,669.75	574.87	3,975.54	3,387.26	7,362.80	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										8,008.22	18,759.64	4,235.14	11,447.35	19,555.66	31,003.01	
Components (%)										25.8%	60.6%	13.7%	36.9%	63.1%	100.0%	
Unit Rate			each							8,007.45	18,757.82	4,234.73	11,446.24	19,553.76	31,000.00	

502(3)b5 Catch Basin for RCPC 2-φ1070mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)				
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.81	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	78.42	41.29	196.19	123.15	192.75	315.90	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	8.19	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	339.26	10,642.91	2,367.53	7,568.50	5,781.20	13,349.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	8.03	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	320.60	4.05	1,739.06	931.96	1,131.75	2,063.71	
W0237	Concrete Curing (reinforced concrete)	m3	8.03	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	25.23	2.57	6.01	4.72	29.09	33.81	
W0241	Formwork (reinforced concrete 114m)	m2	56.20	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	7,463.40	5,026.66	98.74	367.35	12,221.45	12,588.80	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	378.30	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,338.63	6,787.55	688.21	4,759.32	4,055.07	8,814.39	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										9,565.54	22,505.04	5,095.73	13,755.00	23,411.31	37,166.31	
Components (%)										25.7%	60.6%	13.7%	37.0%	63.0%	100.0%	
Unit Rate			each							9,574.21	22,525.44	5,100.35	13,767.47	23,432.53	37,200.00	

502(3)b6 Catch Basin for RCPC 2-φ1220mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	0.96	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	92.94	48.94	232.52	145.95	228.45	374.40	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	9.60	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	397.67	12,475.21	2,775.13	8,871.50	6,776.50	15,648.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	9.41	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	375.70	4.74	2,037.93	1,092.13	1,326.24	2,418.37	
W0237	Concrete Curing (reinforced concrete)	m3	9.41	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	29.57	3.02	7.04	5.53	34.09	39.62	
W0241	Formwork (reinforced concrete H<4m)	m2	65.47	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	8,694.46	5,855.80	115.02	427.94	14,237.34	14,665.28	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	444.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,571.11	7,966.36	807.73	5,585.88	4,759.32	10,345.20	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										11,161.45	26,354.06	5,975.36	16,128.93	27,361.94	43,490.87	
Components (%)										25.7%	60.6%	13.7%	37.1%	62.9%	100.0%	
Unit Rate			each							11,163.79	26,359.59	5,976.62	16,132.32	27,367.68	43,500.00	

502(3)b7 Catch Basin For RCPC 2-φ1520mm

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	1.29	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	124.88	65.76	312.45	196.12	306.98	593.10	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	12.75	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	528.15	16,568.63	3,685.71	11,782.46	9,000.04	20,782.50	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	12.50	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	499.07	6.30	2,707.13	1,450.75	1,761.75	3,212.50	
W0237	Concrete Curing (reinforced concrete)	m3	12.50	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	39.28	4.01	9.35	7.34	45.29	52.63	
W0241	Formwork (reinforced concrete H<4m)	m2	85.98	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	11,418.21	7,690.26	151.06	562.00	18,697.52	19,259.52	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	583.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	2,062.97	10,460.33	1,060.60	7,334.82	6,249.28	13,583.90	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										14,672.56	34,795.29	7,926.30	21,333.31	36,060.84	57,394.15	
Components (%)										25.6%	60.6%	13.8%	37.2%	62.8%	100.0%	
Unit Rate			each							14,674.05	34,798.84	7,927.11	21,335.48	36,064.52	57,400.00	

502(4)a1 U-shaped Concrete Ditch W=0.50m x H=0.50m

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	1.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	96.81	50.98	242.21	152.03	237.97	390.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.75	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	113.92	3,573.63	794.96	2,541.32	1,941.18	4,482.50	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.70	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	107.80	1.36	594.74	313.36	380.54	693.90	
W0237	Concrete Curing (reinforced concrete)	m3	2.70	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	8.49	0.87	2.02	1.59	9.78	11.37	
W0241	Formwork (reinforced concrete H<4m)	m2	23.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,054.42	2,057.18	40.44	150.34	5,004.66	5,152.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	123.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	438.07	2,221.25	225.22	1,557.51	1,327.03	2,884.54	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,819.50	7,905.26	1,889.55	4,716.14	8,898.17	13,614.31	
Components (%)										28.1%	65.1%	13.9%	34.6%	65.4%	100.0%	
Unit Rate			m							381.55	799.69	188.76	471.12	888.88	1,360.00	

502(4)a2 U-shaped Concrete Ditch W=0.75m x H=0.50m

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0161	Gravel Foundation Fill	m3	1.25	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	121.01	63.72	302.76	190.04	297.46	487.50	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	3.14	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	130.07	4,080.43	907.70	2,901.72	2,216.48	6,118.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	3.08	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	122.97	1.55	667.04	357.47	434.09	791.56	
W0237	Concrete Curing (reinforced concrete)	m3	3.08	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	9.68	0.99	2.30	1.81	11.16	12.97	
W0241	Formwork (reinforced concrete 114m)	m2	23.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,054.42	2,057.18	40.41	150.34	5,001.66	5,152.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	140.00	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	495.39	2,511.92	254.69	1,761.31	1,500.69	3,262.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,933.55	8,715.79	2,174.90	5,362.69	9,461.54	14,824.23	
Components (%)										26.5%	58.8%	14.7%	36.2%	63.8%	100.0%	
Unit Rate			m							392.71	870.15	217.13	535.39	944.61	1,480.00	

502(4)a3 U-shaped Concrete Ditch W=0.30m x H=0.30m

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0161	Gravel Foundation Fill	m3	0.80	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	77.45	40.78	193.77	121.63	190.37	312.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.84	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	76.22	2,391.08	531.90	1,700.37	1,298.83	2,999.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.80	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	71.87	0.91	389.83	208.91	253.69	462.60	
W0237	Concrete Curing (reinforced concrete)	m3	1.80	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.66	0.58	1.35	1.06	6.52	7.58	
W0241	Formwork (reinforced concrete 114m)	m2	15.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	1,992.01	1,341.64	26.35	98.05	3,261.95	3,360.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	97.30	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	344.30	1,745.78	177.81	1,042.11	1,042.98	2,267.09	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,567.50	5,520.77	1,320.20	3,954.13	6,054.34	9,408.47	
Components (%)										27.3%	58.7%	14.0%	35.7%	64.3%	100.0%	
Unit Rate			m							256.79	552.17	132.04	335.47	605.53	941.00	

502(4)b1 U-shaped Concrete Ditch with Grating Cover, W=0.30m x H=0.30m

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0161	Gravel Foundation Fill	m3	0.80	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	77.45	40.78	193.77	121.63	190.37	312.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.94	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	80.36	2,521.93	560.81	1,792.78	1,369.42	3,162.20	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.90	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	75.86	0.96	411.48	220.51	267.79	488.30	
W0237	Concrete Curing (reinforced concrete)	m3	1.90	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.97	0.61	1.42	1.12	6.88	8.00	
W0241	Formwork (reinforced concrete 114m)	m2	17.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,257.61	1,520.52	29.87	111.12	3,696.88	3,808.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	100.20	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	354.56	1,797.81	182.28	1,260.60	1,074.66	2,334.66	
W0721	Grating Cover for U-Ditch (W=300mm), furnish & installation	m2	4.20	9.0%	90.1%	1.0%	63.2%	36.8%	1,140.00	429.39	4,311.67	46.94	3,024.02	1,763.98	4,788.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,281.20	10,193.39	1,426.57	6,531.78	8,369.38	14,901.16	
Components (%)										22.0%	68.4%	9.6%	43.8%	56.2%	100.0%	
Unit Rate			m							328.09	1,019.26	142.65	653.13	836.87	1,490.00	

502(4)b2 U-shaped Concrete Ditch with Grating Cover, W=0.50m x H=0.50m

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0161	Gravel Foundation Fill	m3	1.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	96.81	50.98	242.21	152.03	237.97	390.00	Loss 2.0%
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0231	Concrete Pouring by Pump Vehicle (plain concrete)	m3	0.00	18.8%	0.2%	81.0%	43.4%	56.6%	213.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	3.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.68	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	111.02	3,482.66	774.72	2,476.63	1,891.77	4,368.40	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	2.63	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	105.00	1.33	569.58	305.24	370.67	675.91	Loss 2.0%
W0237	Concrete Curing (reinforced concrete)	m3	2.63	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	8.26	0.84	1.97	1.54	9.53	11.07	
W0241	Formwork (reinforced concrete H<4m)	m2	23.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	3,054.42	2,057.18	40.41	150.34	5,001.66	5,152.00	Loss 2.0%
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	123.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	438.07	2,221.25	225.22	1,557.51	1,327.03	2,884.54	
W0721	Grating Cover for U-Ditch (W=300mm), furnish & installation	m2	6.20	9.0%	90.1%	1.0%	63.2%	36.8%	1,140.00	633.86	6,364.85	69.29	4,464.03	2,603.97	7,068.00	Loss 2.0%
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										4,447.43	14,179.09	1,923.40	9,107.31	11,442.61	20,549.92	
Components (%)										21.6%	69.0%	9.4%	44.3%	55.7%	100.0%	
Unit Rate			m							443.66	1,414.46	191.87	908.52	1,141.48	2,050.00	

502(6)a V-shaped Lined Ditch H=500mm, 1:1.50

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0109	Excavation, Manpower	m3	3.88	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	512.16	0.00	0.00	0.00	512.16	512.16	Loss 2.0%
W0115	Disposal of Surplus Soil (manpower loading)	m3	3.88	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	182.61	43.17	173.87	122.45	277.19	399.64	
W0741	Grouted Riprap Class A	m3	3.88	15.6%	63.8%	20.6%	48.0%	52.0%	734.00	443.34	1,817.30	587.27	1,367.46	1,480.46	2,847.92	Loss 2.0%
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										1,138.11	1,860.47	761.14	1,489.91	2,269.81	3,759.72	
Components (%)										30.3%	49.5%	20.2%	39.6%	60.4%	100.0%	
Unit Rate			m							113.82	186.06	76.12	149.00	227.00	376.00	

502(6)b V-shaped Lined Ditch H=500mm, 1:1.00

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0109	Excavation, Manpower	m3	3.63	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	479.16	0.00	0.00	0.00	479.16	479.16	Loss 2.0%
W0115	Disposal of Surplus Soil (manpower loading)	m3	3.63	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	170.84	40.38	162.67	114.56	259.33	373.89	
W0741	Grouted Riprap Class A	m3	3.63	15.6%	63.8%	20.6%	48.0%	52.0%	734.00	414.78	1,700.21	549.43	1,279.35	1,385.07	2,664.42	Loss 2.0%
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										1,064.78	1,740.59	712.10	1,393.91	2,123.56	3,517.47	
Components (%)										30.3%	49.5%	20.2%	39.6%	60.4%	100.0%	
Unit Rate			m							106.55	174.18	71.26	139.49	212.51	352.00	

502(7)a Trapezoidal Lined Ditch B=450mm, H=500mm, 1:1.00

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0109	Excavation, Manpower	m3	2.68	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	353.76	0.00	0.00	0.00	353.76	353.76	Loss 2.0%
W0115	Disposal of Surplus Soil (manpower loading)	m3	2.68	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	126.13	29.82	120.09	84.58	191.46	276.04	
W0741	Grouted Riprap Class A	m3	2.68	15.6%	63.8%	20.6%	48.0%	52.0%	734.00	306.23	1,255.25	405.64	944.54	1,022.58	1,967.12	Loss 2.0%
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										786.12	1,285.07	525.74	1,029.12	1,567.80	2,596.92	
Components (%)										30.3%	49.5%	20.2%	39.6%	60.4%	100.0%	
Unit Rate			m							78.70	128.66	52.64	103.03	156.97	260.00	

502(7)b Trapezoidal Lined Ditch B=1000mm, H=500mm, L:1.00

Unit: 10.00 m

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount					Total (PP)	Remarks
				Component (%)					Labor		Component (PP)						
				Lab.	Mat.	Equip.	For.	Local			Material	Equipment	Foreign	Local			
W0109	Excavation, Manpower	m3	3.78	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	498.96	0.00	0.00	0.00	498.96	498.96		
W0115	Disposal of Surplus Soil (manpower loading)	m3	3.78	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	177.90	42.05	169.39	119.29	270.05	389.34		
W0741	Grouted Riprap Class A	m3	3.78	15.6%	63.8%	20.6%	48.0%	52.0%	734.00	431.92	1,770.47	572.14	1,332.22	1,442.30	2,774.52		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%	
Total										1,108.78	1,812.52	741.52	1,451.51	2,211.31	3,662.82		
Components (%)										30.3%	49.5%	20.2%	39.6%	60.4%	100.0%		
Unit Rate			m							110.79	181.11	74.10	145.15	220.96	366.00		

503(3)a Cleaning Culvert in Place, φ910mm or less

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount					Total (PP)	Remarks
				Component (%)					Labor		Component (PP)						
				Lab.	Mat.	Equip.	For.	Local			Material	Equipment	Foreign	Local			
L002	Foreman	md	0.50	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	283.00	0.00	0.00	0.00	283.00	283.00		
L020	Unskilled Labor	md	3.96	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,243.44	0.00	0.00	0.00	1,243.44	1,243.44		
Q1108-022	High Pressure Washer 2.2kW	day	0.99	0.0%	0.0%	100.0%	56.2%	43.8%	167.00	0.00	0.00	185.33	92.95	72.38	165.33		
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	1.51	10.0%	17.9%	72.1%	50.8%	49.2%	603.00	91.05	162.98	656.49	462.35	448.18	910.53		
	Miscellaneous	LS	1.00	0.0%	10.0%	90.0%	45.0%	55.0%		0.00	2.60	23.42	11.71	14.31	26.02	1.0%	
Total										1,617.49	165.59	845.24	567.01	2,081.32	2,628.32		
Components (%)										61.5%	6.3%	32.2%	21.6%	78.4%	100.0%		
Unit Rate			m							16.19	1.65	8.46	5.67	20.63	26.30		

Miscellaneous covers the cost for scoop, shovel, broom, etc.

$Tl = L / (A \cdot E) + L \cdot Q \cdot t + Ll / V$

Tl : Total Operation Hour = 6.05 hr

L : Cleaning Length = 100.00 m

A : Work Capacity = 30.00 m/h

E : Efficiency = 0.85

Q : Required Water per m 0.10 m3/m

t : Required Time for Water Supply 0.20 hr/m3

Ll : Moving Distance 3.30 km

V : Moving Velocity 25.00 km/hr

T : Daily Operation Hour 6.12 hr

503(3)b Cleaning Culvert in Place, more than φ910mm

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount					Total (PP)	Remarks
				Component (%)					Labor		Component (PP)						
				Lab.	Mat.	Equip.	For.	Local			Material	Equipment	Foreign	Local			
L002	Foreman	md	0.59	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	333.94	0.00	0.00	0.00	333.94	333.94		
L020	Unskilled Labor	md	4.72	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,482.08	0.00	0.00	0.00	1,482.08	1,482.08		
Q1108-022	High Pressure Washer 2.2kW	day	1.19	0.0%	0.0%	100.0%	56.2%	43.8%	167.00	0.00	0.00	197.06	110.78	86.29	197.06		
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	2.71	10.0%	17.9%	72.1%	50.8%	49.2%	603.00	163.41	292.51	1,178.21	829.79	804.35	1,634.13		
	Miscellaneous	LS	1.00	0.0%	10.0%	90.0%	45.0%	55.0%		0.00	3.65	32.82	16.41	20.06	36.47	1.0%	
Total										1,979.43	296.16	1,408.09	956.98	2,726.71	3,683.68		
Components (%)										57.7%	8.0%	38.2%	25.0%	74.0%	100.0%		
Unit Rate			m							19.77	2.96	14.07	9.56	27.24	36.80		

Miscellaneous covers the cost for scoop, shovel, broom, etc.

$Tl = L / (A \cdot E) + L \cdot Q \cdot t + Ll / V$

Tl : Total Operation Hour = 7.24 hr

L : Cleaning Length = 100.00 m

A : Work Capacity = 25.00 m/h

E : Efficiency = 0.85

Q : Required Water per m 0.12 m3/m

t : Required Time for Water Supply 0.20 hr/m3

Ll : Moving Distance 3.30 km

V : Moving Velocity 25.00 km/hr

T : Daily Operation Hour 6.12 hr

503(4)a Cleaning/Reconditioning of RCBC, Single Barrel

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount					Total (PP)	Remarks
				Component (%)					Labor		Component (PP)						
				Lab.	Mat.	Equip.	For.	Local			Material	Equipment	Foreign	Local			
L002	Foreman	md	0.84	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	362.24	0.00	0.00	0.00	362.24	362.24		
L020	Unskilled Labor	md	5.12	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,607.68	0.00	0.00	0.00	1,607.68	1,607.68		
Q1108-022	High Pressure Washer 2.2kW	day	1.28	0.0%	0.0%	100.0%	56.2%	43.8%	167.00	0.00	0.00	213.76	120.17	93.59	213.76		
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	5.22	10.0%	17.9%	72.1%	50.8%	49.2%	603.00	314.77	563.43	2,269.46	1,598.32	1,549.34	3,147.66		
	Miscellaneous	LS	1.00	0.0%	10.0%	90.0%	45.0%	55.0%		0.00	5.33	47.98	23.99	29.32	53.31	1.0%	
Total										2,284.69	568.76	2,531.20	1,742.48	3,642.17	5,384.65		
Components (%)										42.4%	10.6%	47.0%	32.4%	67.6%	100.0%		
Unit Rate			m							22.83	5.68	25.29	17.41	36.39	53.80		

Miscellaneous covers the cost for scoop, shovel, broom, etc.

$Tl = L / (A \cdot E) + L \cdot Q \cdot t + Ll / V$

Tl : Total Operation Hour = 7.84 hr

L : Cleaning Length = 100.00 m

A : Work Capacity = 25.00 m/h

E : Efficiency = 0.85

Q : Required Water per m 0.15 m3/m

t : Required Time for Water Supply 0.20 hr/m3

Ll : Moving Distance 3.30 km

V : Moving Velocity 25.00 km/hr

T : Daily Operation Hour 6.12 hr

503(4)b Cleaning Reconditioning of RCBC, Double Barrel

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
L002	Foreman	md	0.69	100.0%	0.0%	0.0%	0.0%	100.0%	566.00								
L020	Unskilled Labor	md	5.52	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,733.28	0.00	0.00	0.00	390.54	380.54		
Q1108-022	High Pressure Washer 2.2kW	day	1.38	0.0%	0.0%	100.0%	56.2%	43.8%	167.00	0.00	0.00	230.46	129.56	100.90	230.46		
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	8.70	10.0%	17.9%	72.1%	50.8%	49.2%	603.00	524.61	939.05	3,782.44	2,663.87	2,582.23	5,246.10		
	Miscellaneous	LS	1.00	0.0%	10.0%	90.0%	45.0%	55.0%		0.00	7.60	68.40	34.20	41.80	76.00	1.0%	
	Total									2,648.43	946.65	4,091.30	2,827.63	4,848.75	7,676.38		
	Components (%)									34.5%	12.3%	53.2%	36.8%	53.2%	100.0%		
	Unit Rate	m								26.50	9.47	46.83	28.29	48.51	76.80		

Miscellaneous covers the cost for scoop, shovel, broom, etc.

Tt = L/(A·E) + L·Q·t + L1/V

Tt : Total Operation Hour = 8.44 hr

L : Cleaning Length = 100.00 m

A : Work Capacity = 25.00 m/h

E : Efficiency = 0.85

Q : Required Water per m 0.18 m3/m

t : Required Time for Water Supply 0.20 hr/m3

L1 : Moving Distance 3.30 km

V : Moving Velocity 25.00 km/hr

T : Daily Operation Hour 6.12 hr

503(4)c Cleaning Reconditioning of RCBC, Triple Barrel

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.72	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	407.52	0.00	0.00	0.00	407.52	407.52	
L020	Unskilled Labor	md	5.76	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,808.64	0.00	0.00	0.00	1,808.64	1,808.64	
Q1108-022	High Pressure Washer 2.2kW	day	1.44	0.0%	0.0%	100.0%	56.2%	43.8%	167.00	0.00	0.00	240.48	135.20	105.28	240.48	
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	15.03	10.0%	17.9%	72.1%	50.8%	49.2%	603.00	906.31	1,622.29	6,534.49	4,602.06	4,461.03	9,063.09	
	Miscellaneous	LS	1.00	0.0%	10.0%	90.0%	45.0%	55.0%		0.00	11.52	103.68	51.84	63.36	115.20	1.0%
	Total									3,122.47	1,633.81	6,878.65	4,789.09	6,845.84	11,634.93	
	Components (%)									26.8%	14.0%	59.1%	41.2%	58.8%	100.0%	
	Unit Rate	m								31.13	16.29	68.58	47.75	68.25	116.00	

Miscellaneous covers the cost for scoop, shovel, broom, etc.

Tt = L/(A·E) + L·Q·t + L1/V

Tt : Total Operation Hour = 8.84 hr

L : Cleaning Length = 100.00 m

A : Work Capacity = 25.00 m/h

E : Efficiency = 0.85

Q : Required Water per m 0.20 m3/m

t : Required Time for Water Supply 0.20 hr/m3

L1 : Moving Distance 3.30 km

V : Moving Velocity 25.00 km/hr

T : Daily Operation Hour 6.12 hr

504(5) Grouted Riprap Class A (slope protection)

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0741	Grouted Riprap Class A	m3	10.00	15.6%	63.8%	20.6%	48.0%	52.0%	734.00	1,142.64	4,683.77	1,513.59	3,524.39	3,815.61	7,340.00	
W0106	Excavation, Backhoe 0.61m3 + Manpower	m3	3.30	24.6%	6.6%	68.8%	41.7%	58.3%	59.50	48.24	13.01	135.10	81.92	114.43	196.35	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.01	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	47.53	11.24	45.26	31.88	72.15	104.03	
W0133	Backfill C	m3	2.28	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	37.75	39.12	253.73	163.32	167.28	330.60	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,276.16	4,747.14	1,947.68	3,801.51	4,169.47	7,970.98	
	Components (%)									16.0%	59.6%	24.4%	47.7%	52.3%	100.0%	
	Unit Rate	m3								127.60	474.66	194.74	380.10	416.90	797.00	

505(1) Stone Masonry Retaining Wall

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0742	Stone Masonry, laid	m3	10.00	14.3%	70.1%	15.6%	49.3%	50.7%	1,000.00	1,428.33	7,010.43	1,561.24	4,933.05	5,066.95	10,000.00	
W0106	Excavation, Backhoe 0.61m3 + Manpower	m3	4.98	24.6%	6.6%	68.8%	41.7%	58.3%	59.50	72.79	19.64	203.88	123.63	172.68	296.31	
W0115	Disposal of Surplus Soil (manpower loading)	m3	2.76	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	129.89	30.71	123.68	87.10	197.18	284.28	
W0133	Backfill C	m3	2.22	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	36.76	38.09	247.05	159.03	162.87	321.90	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									1,667.78	7,098.86	2,135.85	5,302.81	5,599.68	10,902.49	
	Components (%)									15.3%	85.1%	19.6%	48.6%	51.4%	100.0%	
	Unit Rate	m3								166.74	709.72	213.54	530.18	559.84	1,090.00	

506(i) Hand-Laid Rock Apron (Loose Boulder Apron)

Unit: 100.00 m3

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.50	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	283.00	0.00	0.00	0.00	283.00	283.00	
L019	Skilled Labor	md	0.00	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	0.00	0.00	0.00	0.00	0.00	0.00	
L020	Unskilled Labor	md	0.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	188.40	0.00	0.00	0.00	188.40	188.40	
W0122	Crushed Aggregate, transported	m3	113.00	9.1%	15.5%	75.4%	47.0%	53.0%	258.00	2,645.13	4,528.00	21,980.87	13,712.62	15,441.38	29,154.00	Loss 13.0%
R0102-061	Backhoe, hydraulic, crawler, 0.6lm3	hr	8.70	4.4%	8.4%	87.2%	52.9%	47.1%	1,740.00	666.07	1,271.59	13,200.34	8,004.77	7,133.23	15,138.00	
R0402-020	Truck Crane, Hydraulic 16-20t	hr	0.00	6.9%	7.7%	85.4%	51.5%	48.5%	1,070.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										3,782.61	5,799.59	35,181.21	21,717.39	23,046.01	44,763.40	
Components (%)										8.5%	13.0%	78.6%	48.5%	51.5%	100.0%	
Unit Rate			m3							37.86	58.04	352.10	217.35	230.65	448.00	

507(2)a Steel Sheet Piles (76x457x4mm), furnished & driven

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.51	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	288.66	0.00	0.00	0.00	288.66	288.66	
L019	Skilled Labor	md	1.02	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	411.06	0.00	0.00	0.00	411.06	411.06	
L020	Unskilled Labor	md	0.51	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	160.14	0.00	0.00	0.00	160.14	160.14	
W02041	Steel Sheet Pile	kg	1,632.70	0.0%	100.0%	0.0%	70.0%	30.0%	32.10	0.00	52,409.67	0.00	36,686.77	15,722.90	52,409.67	
R0502-045	Vibratory Pile Driver, Hydraulic 45 t-m	hr	3.34	1.9%	22.6%	75.5%	55.7%	44.3%	3,420.00	217.03	2,581.55	8,624.21	6,360.60	5,062.20	11,422.80	
R1001-150	Generator 101-150 kW	day	0.51	0.0%	52.2%	47.8%	59.9%	40.1%	3,610.00	0.00	961.05	880.05	1,103.73	737.37	1,841.10	
R0402-025	Truck Crane, Hydraulic 21-25t	hr	2.00	5.5%	6.8%	87.7%	52.0%	48.0%	1,330.00	146.30	180.88	2,332.82	1,382.18	1,277.82	2,660.00	
	Miscellaneous	LS	1.00	20.0%	20.0%	60.0%	50.0%	50.0%		415.16	415.16	1,245.48	1,037.90	1,037.90	2,075.80	3.0%
Total										1,638.35	56,548.32	13,082.56	46,571.17	24,698.06	71,269.23	
Components (%)										2.3%	79.3%	18.4%	65.3%	34.7%	100.0%	
Unit Rate			m							16.39	565.73	130.88	465.91	247.09	713.00	

Miscellaneous covers the costs for jointing, cut-off, adjustment, etc.

$$T_c = [(0.75 + \gamma \cdot N_{max}) \times L + \alpha] \times K / F$$

Tc : Required time for each sheet pile = 12.02 min/each

γ : Coefficient = 0.02

α : Coefficient = 3.68

L : Driving length = 6.000 m

Nmax: Maximum SPT N-Value

K : Coefficient

F : Efficiency Factor

T : Operation hour

30

1.02

1.00

6.56 hr/day

507(2)b Steel Sheet Piles (400x85x8mm), furnished & driven

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.51	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	288.66	0.00	0.00	0.00	288.66	288.66	
L019	Skilled Labor	md	1.02	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	411.06	0.00	0.00	0.00	411.06	411.06	
L020	Unskilled Labor	md	0.51	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	160.14	0.00	0.00	0.00	160.14	160.14	
W02041	Steel Sheet Pile	kg	3,550.00	0.0%	100.0%	0.0%	70.0%	30.0%	32.10	0.00	113,955.00	0.00	79,768.50	34,186.50	113,955.00	
R0502-045	Vibratory Pile Driver, Hydraulic 45 t-m	hr	3.34	1.9%	22.6%	75.5%	55.7%	44.3%	3,420.00	217.03	2,581.55	8,624.21	6,360.60	5,062.20	11,422.80	
R1001-150	Generator 101-150 kW	day	0.51	0.0%	52.2%	47.8%	59.9%	40.1%	3,610.00	0.00	961.05	880.05	1,103.73	737.37	1,841.10	
R0402-025	Truck Crane, Hydraulic 21-25t	hr	2.00	5.5%	6.8%	87.7%	52.0%	48.0%	1,330.00	146.30	180.88	2,332.82	1,382.18	1,277.82	2,660.00	
	Miscellaneous	LS	1.00	20.0%	20.0%	60.0%	50.0%	50.0%		784.43	784.43	2,353.30	1,961.08	1,961.08	3,922.16	3.0%
Total										2,007.63	118,462.92	14,190.38	90,576.09	44,084.84	134,660.92	
Components (%)										1.5%	88.0%	10.5%	67.3%	32.7%	100.0%	
Unit Rate			m							20.13	1,187.61	142.26	908.04	441.96	1,350.00	

Miscellaneous covers the costs for jointing, cut-off, adjustment, etc.

$$T_c = [(0.75 + \gamma \cdot N_{max}) \times L + \alpha] \times K / F$$

Tc : Required time for each sheet pile = 12.02 min/each

γ : Coefficient = 0.02

α : Coefficient = 3.68

L : Driving length = 6.000 m

Nmax: Maximum SPT N-Value

K : Coefficient

F : Efficiency Factor

T : Operation hour

30

1.02

1.00

6.56 hr/day

509(1) Gabions										Unit: 10.00 m3						
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
L002	Foreman	md	0.70	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	396.20	0.00	0.00	0.00	396.20	396.20	
L019	Skilled Labor	md	2.70	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	1,088.10	0.00	0.00	0.00	1,088.10	1,088.10	
L020	Unskilled Labor	md	2.40	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	753.60	0.00	0.00	0.00	753.60	753.60	
M09602	Gabion Cage 500x1000x2000	each	10.00	0.0%	100.0%	0.0%	30.0%	70.0%	710.00	0.00	7,100.00	0.00	2,130.00	4,970.00	7,100.00	
W0129	Gravel/Stone, transported	m3	9.50	11.7%	18.7%	69.7%	44.9%	55.1%	196.00	217.29	347.43	1,297.28	836.02	1,025.98	1,862.00	-Loss 5.0%
R0102-061	Backhoe, hydraulic, crawler, 0.61m3	hr	3.10	4.4%	8.4%	87.2%	52.9%	47.1%	1,740.00	237.34	453.10	4,703.57	2,852.27	2,541.73	5,394.00	
M10202	Filter Cloth	m2	20.00	0.0%	100.0%	0.0%	60.0%	40.0%	82.30	0.00	1,646.00	0.00	987.60	658.40	1,646.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,692.53	9,546.52	6,000.85	6,805.90	11,434.00	18,239.90	
Components (%)										14.8%	52.3%	32.9%	37.3%	62.7%	100.0%	
Unit Rate			m3							269.25	954.65	600.09	680.59	1,143.40	1,823.99	

509(2) Gabion Mattress t=300mm										Unit: 10.00 m3						
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
L002	Foreman	md	0.70	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	396.20	0.00	0.00	0.00	396.20	396.20	
L019	Skilled Labor	md	2.70	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	1,088.10	0.00	0.00	0.00	1,088.10	1,088.10	
L020	Unskilled Labor	md	2.40	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	753.60	0.00	0.00	0.00	753.60	753.60	
M09605	Gabion Mat Cage t=300mm	m2	33.33	0.0%	100.0%	0.0%	30.0%	70.0%	617.00	0.00	20,564.61	0.00	6,169.38	14,395.23	20,564.61	
W0129	Gravel/Stone, transported	m3	9.50	11.7%	18.7%	69.7%	44.9%	55.1%	196.00	217.29	347.43	1,297.28	836.02	1,025.98	1,862.00	
R0102-061	Backhoe, hydraulic, crawler, 0.61m3	hr	3.10	4.4%	8.4%	87.2%	52.9%	47.1%	1,740.00	237.34	453.10	4,703.57	2,852.27	2,541.73	5,394.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										2,692.53	21,365.13	6,000.85	9,857.68	20,200.83	30,058.51	
Components (%)										9.0%	71.1%	20.0%	32.8%	67.2%	100.0%	
Unit Rate			m3							269.25	2,139.46	600.09	987.13	2,022.87	3,010.00	

509(3) Filter Cloth										Unit: 10.00 m2						
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
L020	Unskilled Labor	md	0.06	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	18.84	0.00	0.00	0.00	18.84	18.84	
M10202	Filter Cloth	m2	10.70	0.0%	100.0%	0.0%	60.0%	40.0%	82.30	0.00	880.61	0.00	528.37	352.24	880.61	Loss 7.0%
	Miscellaneous	LS	1.00	0.0%	10.0%	90.0%	50.0%	50.0%		0.00	1.80	16.19	8.99	8.99	17.99	2.0%
Total										18.84	882.41	16.19	537.36	380.08	917.44	
Components (%)										2.1%	96.2%	1.8%	58.5%	41.4%	100.0%	
Unit Rate			m2							1.88	88.24	1.62	53.71	37.99	91.74	

510(1) Rubble Concrete Slope Protection										Unit: 10.00 m3						
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0731	Rubble Concrete	m3	10.00	6.2%	50.4%	43.4%	52.5%	47.5%	947.00	584.53	4,777.28	4,108.19	4,974.91	4,495.09	9,470.00	
W0732	Granular Bedding for Rubble Concrete	m3	2.74	27.4%	12.5%	60.1%	37.5%	62.5%	399.00	299.68	136.18	657.40	410.13	683.13	1,093.26	
W0733	Washout Prevention Filter, furnish and laying	m2	28.57	2.1%	96.2%	1.8%	58.6%	41.4%	91.70	53.80	2,519.84	46.23	1,534.50	1,885.37	2,619.87	
	Miscellaneous	LS	1.00	2.0%	55.0%	43.0%	50.0%	50.0%		5.27	145.01	113.37	131.83	131.83	263.66	2.0%
Total										943.29	7,578.30	4,925.20	7,051.38	6,395.41	13,446.79	
Components (%)										7.0%	56.4%	36.6%	52.4%	47.6%	100.0%	
Unit Rate			m3							94.00	755.19	490.81	702.68	637.32	1,340.00	

Miscellaneous covers the costs for subgrade preparation, weep holes, etc.

Part H Miscellaneous Structures

600(1)a Concrete Curb, Type A (200x450mm)		Unit: 100.00 m														
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	8.04	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	303.05	10,447.98	2,324.17	7,429.88	5,675.32	13,105.20	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	7.88	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,730.51	3.46	31.15	19.04	1,746.08	1,746.12	
W0236	Concrete Curing (plain concrete)	m3	7.88	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	49.46	6.08	14.20	11.15	58.59	69.74	
W0240	Formwork (plain concrete H<4m)	m2	90.19	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	11,784.97	8,080.17	157.04	588.53	19,433.65	20,022.18	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										13,897.99	18,537.70	2,526.55	8,048.60	26,913.64	34,962.24	
Components (%)										39.8%	53.0%	7.2%	23.0%	77.0%	100.0%	
Unit Rate			m							139.13	185.58	25.29	80.57	269.43	350.00	

600(1)b Concrete Curb, Type B (175x318mm)		Unit: 100.00 m														
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.87	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	201.73	6,328.57	1,407.80	4,500.44	3,437.66	7,938.10	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	4.77	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,847.53	2.10	18.86	11.52	1,056.96	1,058.48	
W0236	Concrete Curing (plain concrete)	m3	4.77	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	29.94	3.68	8.59	6.75	35.46	42.21	
W0240	Formwork (plain concrete H<4m)	m2	63.87	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	8,345.78	5,722.15	111.21	416.78	13,762.30	14,179.14	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										9,624.98	12,056.49	1,546.45	4,935.49	18,292.44	23,227.93	
Components (%)										41.4%	51.9%	6.7%	21.2%	78.8%	100.0%	
Unit Rate			m							96.13	120.42	15.45	49.30	182.70	232.00	

600(3)a Combination Concrete Curb & Gutter/Side Strip, Type A (675x364mm)		Unit: 100.00 m														
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	13.82	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	572.48	17,959.10	3,995.02	12,771.26	9,755.34	22,526.60	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	13.55	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	2,975.69	5.95	53.56	32.73	3,002.47	3,035.20	
W0236	Concrete Curing (plain concrete)	m3	13.55	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	85.05	10.46	24.41	19.18	100.74	119.92	
W0240	Formwork (plain concrete H<4m)	m2	71.50	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	9,342.78	6,405.72	124.49	466.57	15,406.43	15,873.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										12,976.00	24,381.23	4,197.49	13,289.74	28,264.98	41,554.72	
Components (%)										31.2%	58.7%	10.1%	32.0%	68.0%	100.0%	
Unit Rate			m							129.90	244.08	42.02	133.04	282.96	416.00	

600(3)b Combination Concrete Curb & Gutter/Side Strip, Type B (675x334mm)		Unit: 100.00 m														
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		Total (PP)
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	13.31	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	551.35	17,298.35	3,847.60	12,299.97	9,395.33	21,695.30	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	13.05	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	2,865.88	5.73	51.59	31.52	2,891.68	2,923.20	
W0236	Concrete Curing (plain concrete)	m3	13.05	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	81.91	10.07	23.51	18.47	97.02	115.49	
W0240	Formwork (plain concrete H<4m)	m2	65.52	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	8,561.39	5,869.97	114.08	427.54	14,117.90	14,545.44	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										12,069.53	23,182.13	4,036.77	12,777.51	26,501.92	39,279.43	
Components (%)										30.7%	59.0%	10.3%	32.5%	67.5%	100.0%	
Unit Rate			m							120.67	231.94	40.39	127.84	265.16	393.00	

600(3)c Combination Concrete Curb & Gutter, Type C (475x334mm)

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	10.76	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	445.72	13,982.63	3,110.45	9,943.47	7,595.33	17,538.80	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	10.55	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	2,316.86	4.63	41.70	25.49	2,337.71	2,363.20	
W0236	Concrete Curing (plain concrete)	m3	10.55	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	66.22	8.15	19.01	14.93	78.44	93.37	
W0240	Formwork (plain concrete H<4m)	m2	71.50	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	9,342.78	6,405.72	124.49	466.57	15,406.43	15,873.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	
Total										12,171.59	20,401.13	3,295.66	10,450.46	25,417.91	35,868.37	
Components (%)										33.9%	56.9%	9.2%	29.1%	70.9%	100.0%	
Unit Rate			m							121.82	204.19	32.99	104.60	254.40	359.00	

601(1) PCC Pavement for Sidewalk (t=100mm)

Unit: 100.00 m2

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0852	Aggregate Subbase Course for Side Walk (t=100mm)	m2	100.00	26.4%	12.7%	60.9%	38.7%	61.3%	54.00	1,427.60	684.70	3,287.70	2,090.59	3,309.41	5,400.00	
W0853	PCC Pavement (Plain), t=100mm for Side Walk	m2	100.00	16.6%	68.8%	7.2%	46.1%	46.5%	419.00	6,968.49	28,821.73	3,006.08	19,332.32	19,463.97	41,900.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										8,396.09	29,506.43	6,293.78	21,422.91	22,773.38	47,300.00	
Components (%)										17.8%	62.4%	13.3%	45.3%	48.1%	100.0%	
Unit Rate			m2							83.96	295.06	62.94	214.23	227.73	473.00	

602(1) Right-of-Way Monuments

Unit: 100.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0109	Excavation, Manpower	m3	18.23	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	2,406.36	0.00	0.00	0.00	2,406.36	2,406.36	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.95	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	91.77	21.69	87.38	61.54	139.31	200.85	
W0135	Backfill, Manpower + Compactor	m3	16.28	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	971.19	70.26	202.34	155.62	1,088.17	1,243.79	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.64	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	109.36	3,430.68	763.16	2,439.66	1,863.54	4,303.20	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	2.59	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	568.78	1.14	10.24	6.26	573.90	580.16	
W0236	Concrete Curing (plain concrete)	m3	2.59	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	16.26	2.00	4.67	3.67	19.25	22.92	
W0240	Formwork (plain concrete H<4m)	m2	72.00	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	9,408.12	6,450.52	125.36	469.83	15,514.17	15,984.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	346.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	1,227.16	6,222.37	630.90	4,363.03	3,717.41	8,080.44	
L019	Skilled Labor	md	3.50	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	1,410.50	0.00	0.00	0.00	1,410.50	1,410.50	
	Miscellaneous	LS	1.00	0.0%	20.0%	80.0%	50.0%	50.0%		0.00	205.39	821.57	513.48	513.48	1,026.97	3.0%
Total										16,209.50	16,404.06	2,645.62	8,013.48	27,246.10	35,259.19	
Components (%)										46.0%	46.5%	7.5%	22.7%	77.3%	100.0%	
Unit Rate			each							162.28	164.23	26.49	80.22	272.78	353.00	

Miscellaneous covers the cost for carving tools, etc.

602(2) Maintenance Marker Posts for Drainage Structure

Unit: 100.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0109	Excavation, Manpower	m3	144.00	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	19,008.00	0.00	0.00	0.00	19,008.00	19,008.00	
W0135	Backfill, Manpower + Compactor	m3	3.00	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	178.97	12.95	37.29	38.68	200.52	229.20	
W0115	Disposal of Surplus Soil (manpower loading)	m3	141.00	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	6,635.93	1,568.65	6,316.42	4,449.89	10,073.11	14,523.00	
W0161	Gravel Foundation Fill	m3	0.00	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0201	Lean Concrete (17MPa, max agr. 38mm)	m3	0.00	2.7%	78.1%	19.1%	56.4%	43.8%	1,510.00	0.00	0.00	0.00	0.00	0.00	0.00	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	0.00	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0236	Concrete Curing (plain concrete)	m3	0.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	0.00	0.00	0.00	0.00	0.00	0.00	
W0243	Formwork (lean concrete)	m2	0.00	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	0.00	0.00	0.00	0.00	0.00	0.00	
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	4.28	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	177.29	5,561.86	1,237.24	3,955.21	3,021.19	6,976.40	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	4.20	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	922.35	1.84	16.60	10.15	930.65	940.80	
W0237	Concrete Curing (reinforced concrete)	m3	4.20	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	13.19	1.35	3.14	2.47	15.21	17.68	
W0241	Formwork (reinforced concrete H4m)	m2	104.00	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	13,811.27	9,302.01	182.71	679.79	22,616.21	23,286.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	640.10	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	2,265.02	11,484.84	1,164.48	8,052.98	6,861.35	14,914.33	
	Miscellaneous	LS	1.00	5.0%	50.0%	45.0%	50.0%	50.0%		119.86	1,198.58	1,078.72	1,198.58	1,198.58	2,397.16	3.0%
Total										43,131.89	29,132.08	10,038.60	18,377.74	63,924.83	82,302.57	
Components (%)										52.4%	35.4%	12.3%	22.3%	77.7%	100.0%	
Unit Rate			each							431.31	291.31	100.38	183.77	639.23	823.00	

Miscellaneous covers the cost for paint, brushes, minor tools, etc.

602(3) Kilometer Post

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0109	Excavation, Manpower	m3	9.36	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,235.52	0.00	0.00	0.00	1,235.52	1,235.52	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.23	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	57.89	13.68	55.12	38.82	87.87	126.69	
W0135	Backfill, Manpower + Compactor	m3	8.13	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	485.00	35.09	101.04	77.72	543.41	621.13	
W0203	Concrete (Class A, 21MPa, max agr. 38mm)	m3	1.98	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	82.02	2,573.01	572.37	1,829.75	1,397.65	3,227.40	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.94	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	426.04	0.85	7.67	4.69	429.87	434.56	
W0237	Concrete Curing (reinforced concrete)	m3	1.94	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	6.10	0.62	1.45	1.14	7.03	8.17	
W0241	Formwork (reinforced concrete H4m)	m2	22.01	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	2,922.94	1,968.63	38.67	143.87	4,786.37	4,930.24	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	61.20	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	216.56	1,098.07	111.34	769.95	656.01	1,425.96	
	Miscellaneous	LS	1.00	10.0%	50.0%	40.0%	50.0%	50.0%		36.03	180.15	144.12	180.15	180.15	360.29	3.0%
Total										5,468.09	5,870.10	1,031.77	3,046.07	9,323.89	12,369.96	
Components (%)										44.2%	47.5%	8.3%	24.6%	75.4%	100.0%	
Unit Rate			each							548.11	588.44	103.43	305.35	934.65	1,240.00	

Miscellaneous covers the cost for paint, brushes, minor tools, etc.

602(3)a Metal Guardrails (Metal Beam) Type A (Embedded in Soil)

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L020	Unskilled Labor	md	29.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	9,106.00	0.00	0.00	0.00	9,106.00	9,106.00	
W0871	Guardrail Type A, furnish	m	100.00	8.0%	78.8%	13.2%	59.1%	40.9%	902.00	7,178.25	71,116.53	11,905.21	53,345.14	36,854.86	90,200.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										16,284.25	71,116.53	11,905.21	53,345.14	45,960.86	99,306.00	
Components (%)										16.4%	71.6%	12.0%	53.7%	46.3%	100.0%	
Unit Rate			m							162.83	711.12	119.04	533.42	459.58	993.00	

603(3)b Metal Guardrails (Metal Beam) Type B (Embedded in Concrete)

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L020	Unskilled Labor	md	16.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	5,024.00	0.00	0.00	0.00	5,024.00	5,024.00	
W0872	Guardrail Type B, Furnish	m	100.00	9.2%	76.5%	14.3%	58.1%	41.9%	707.00	6,502.93	54,092.14	10,104.93	41,045.43	29,654.57	70,700.00	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	54.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	193.91	983.24	99.69	689.43	587.41	1,276.84	
	Miscellaneous	LS	1.00	10.0%	50.0%	40.0%	55.0%	45.0%		308.00	1,540.02	1,232.01	1,694.02	1,386.02	3,080.03	4.0%
	Total									12,028.85	56,615.39	11,436.63	43,428.87	36,652.00	80,080.87	
	Components (%)									15.0%	70.7%	14.3%	54.2%	45.8%	100.0%	
	Unit Rate	m								120.32	566.29	114.39	434.39	366.61	801.00	

Miscellaneous covers the cost for sand fill, fixing devices, etc.

604(1) Fencing (Barbed Wire)

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L020	Unskilled Labor	md	16.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	5,024.00	0.00	0.00	0.00	5,024.00	5,024.00	
M04001	Lumber	m3	0.86	0.0%	100.0%	0.0%	10.0%	90.0%	14,800.00	0.00	12,728.00	0.00	1,272.60	11,455.20	12,728.00	
M02062	Barbed Wire	m	700.00	0.0%	100.0%	0.0%	35.0%	65.0%	2.50	0.00	1,750.00	0.00	612.50	1,137.50	1,750.00	
	Miscellaneous	LS	1.00	0.0%	30.0%	70.0%	55.0%	45.0%		0.00	234.02	546.06	429.04	351.04	780.08	4.0%
	Total									5,024.00	14,712.02	546.06	2,314.34	17,967.74	20,282.08	
	Components (%)									24.8%	72.5%	2.7%	11.4%	88.6%	100.0%	
	Unit Rate	m								50.28	147.25	5.47	23.16	179.84	203.00	

Miscellaneous covers the costs for fixing materials, cutting pliers, nippers, cart, minor tools, etc.

604(2) Fencing (Chain Link Fence Fabric)

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.61m3	m3	8.33	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	14.99	28.62	297.09	180.16	160.54	340.70	
W0111	Disposal of Surplus Soil (backhoe loading)	m3	6.29	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	47.64	86.30	451.03	301.11	283.86	584.97	
W0133	Backfill C	m3	2.04	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	33.78	35.00	227.02	146.13	149.67	295.80	
W0204	Concrete (Class C, 21MPa, max agg. 12mm)	m3	6.38	2.4%	81.5%	16.1%	56.9%	43.1%	1,720.00	258.08	8,943.31	1,772.21	6,247.24	4,726.36	10,973.60	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	6.25	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,372.55	2.75	24.71	15.10	1,384.90	1,400.00	
W0236	Concrete Curing (plain concrete)	m3	6.25	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	39.23	4.82	11.26	8.85	46.46	55.31	
W0882	Chain Link Fence 25mm mesh (H=1.87m), furnished	m	100.00	7.1%	81.7%	11.3%	60.2%	39.8%	876.00	6,188.83	71,543.84	9,867.33	52,691.94	34,908.06	87,600.00	
L002	Foreman	md	3.00	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	1,698.00	0.00	0.00	0.00	1,698.00	1,698.00	
L020	Unskilled Labor	md	20.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	6,280.00	0.00	0.00	0.00	6,280.00	6,280.00	
R0402-005	Truck Crane, Hydraulic 2-5t	hr	2.86	17.9%	10.9%	71.2%	45.7%	54.3%	412.00	210.92	128.44	838.96	538.74	639.58	1,178.32	
	Miscellaneous	LS	1.00	0.0%	0.0%	0.0%	0.0%	0.0%		0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									16,144.02	80,773.08	13,489.60	60,129.25	50,277.45	110,406.70	
	Components (%)									14.6%	73.2%	12.2%	54.5%	45.5%	100.0%	
	Unit Rate	m								160.85	804.76	134.40	599.08	500.92	1,100.00	

604(3) Fencing (Chain Link Fence Fabric on Bridge Railing)

Unit: 100.00 m

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0882	Chain Link Fence 25mm mesh (H=1.87m), furnished	m	100.00	7.1%	81.7%	11.3%	60.2%	39.8%	876.00	6,188.83	71,543.84	9,867.33	52,691.94	34,908.06	87,600.00	
L002	Foreman	md	3.00	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	1,698.00	0.00	0.00	0.00	1,698.00	1,698.00	
L020	Unskilled Labor	md	20.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	6,280.00	0.00	0.00	0.00	6,280.00	6,280.00	
R0402-005	Truck Crane, Hydraulic 2-5t	hr	2.86	17.9%	10.9%	71.2%	45.7%	54.3%	412.00	210.92	128.44	838.96	538.74	639.58	1,178.32	
	Miscellaneous	LS	1.00	0.0%	60.0%	40.0%	55.0%	45.0%		0.00	580.54	387.03	532.16	435.40	967.56	1.0%
	Total									14,377.75	72,252.82	11,093.32	53,762.84	43,961.05	97,723.88	
	Components (%)									14.7%	73.9%	11.4%	55.0%	45.0%	100.0%	
	Unit Rate	m								143.74	722.35	110.91	537.50	439.50	977.00	

Miscellaneous covers the cost for grouting, etc.

605(1)a Warning Signs (Triangular 900mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	3.51	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	48,438.00	0.00	31,484.70	16,953.30	48,438.00	
M08706	Steel Gas Pipe, φ80	m	35.80	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	10,525.20	0.00	6,315.12	4,210.08	10,525.20	
M06003	Zinc Rich Primer for Steel	kg	1.10	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	411.40	0.00	267.41	143.99	411.40	
M06021	Phenol Resin Paint for Steel	kg	1.18	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	320.96	0.00	208.62	112.34	320.96	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,790.54	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	310.28	379.23	379.23	310.28	689.50	1.0%
Total										5,777.15	62,875.72	987.00	40,088.61	29,551.26	69,639.87	
Components (%)										8.3%	90.3%	1.4%	57.6%	42.4%	100.0%	
Unit Rate			each							677.38	6,283.97	98.64	4,006.57	2,953.43	6,960.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(1)b Warning Signs (Circular φ900mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	6.36	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	87,768.00	0.00	57,049.20	30,718.80	87,768.00	
M08706	Steel Gas Pipe, φ80	m	34.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	4,996.00	0.00	5,997.60	3,998.40	9,996.00	
M06003	Zinc Rich Primer for Steel	kg	1.04	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	388.96	0.00	252.82	136.14	388.96	
M06021	Phenol Resin Paint for Steel	kg	1.12	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	304.64	0.00	198.02	106.62	304.64	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,790.54	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	484.71	592.42	592.42	484.71	1,077.12	1.0%
Total										5,777.15	101,812.19	1,200.19	65,523.69	43,265.95	108,789.53	
Components (%)										5.3%	93.6%	1.1%	60.2%	39.8%	100.0%	
Unit Rate			each							578.83	10,200.92	120.25	6,565.03	4,334.97	10,900.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(2)a Regulatory Signs (Triangular 1039mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Amount						Remarks
				Component (%)					Total (PP)	Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	4.67	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	64,446.00	0.00	41,889.90	22,556.10	64,446.00	
M08706	Steel Gas Pipe, φ80	m	37.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	10,878.00	0.00	6,526.80	4,351.20	10,878.00	
M06003	Zinc Rich Primer for Steel	kg	1.13	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	422.62	0.00	274.70	147.92	422.62	
M06021	Phenol Resin Paint for Steel	kg	1.22	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	331.84	0.00	215.70	116.14	331.84	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.6%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,708.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	384.00	469.33	469.33	384.00	853.33	1.0%
Total										5,777.15	79,332.35	1,077.11	50,809.96	35,376.64	86,186.60	
Components (%)										6.7%	92.0%	1.2%	59.0%	41.0%	100.0%	
Unit Rate			each							577.80	7,934.47	107.73	5,081.79	3,538.21	8,620.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(2)b Regulatory Signs (Octagonal 600mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Amount						Remarks
				Component (%)					Total (PP)	Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	2.98	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	41,124.00	0.00	26,730.60	14,393.40	41,124.00	
M08706	Steel Gas Pipe, φ80	m	34.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	9,996.00	0.00	5,997.60	3,998.40	9,996.00	
M06003	Zinc Rich Primer for Steel	kg	1.04	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	388.96	0.00	252.82	136.14	388.96	
M06021	Phenol Resin Paint for Steel	kg	1.12	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	304.64	0.00	198.02	106.62	304.64	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.6%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,708.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	274.81	335.88	335.88	274.81	610.68	1.0%
Total										5,777.15	54,958.30	943.65	34,948.44	26,730.65	61,679.09	
Components (%)										9.4%	89.1%	1.5%	56.7%	43.3%	100.0%	
Unit Rate			each							577.91	5,497.69	94.40	3,496.03	2,673.97	6,170.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(2)c Regulatory Signs (Circular ø600mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	2.83	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	39,054.00	0.00	25,385.10	13,668.90	39,054.00	
M08706	Steel Gas Pipe, ø80	m	34.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	9,996.00	0.00	5,997.60	3,998.40	9,996.00	
M06003	Zinc Rich Primer for Steel	kg	1.04	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	388.96	0.00	252.82	136.14	388.96	
M06021	Phenol Resin Paint for Steel	kg	1.12	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	304.64	0.00	198.02	106.62	304.64	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete 1K4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,790.54	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	265.49	324.49	324.49	265.49	589.98	1.0%
	Total									5,777.15	52,878.98	932.27	33,591.56	25,996.83	59,588.39	
	Components (%)									9.7%	88.7%	1.6%	56.4%	43.6%	100.0%	
	Unit Rate	each								577.83	5,288.93	93.24	3,359.81	2,600.19	5,960.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(2)d Regulatory Signs (Rectangular 450mmx760mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	3.38	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	46,644.00	0.00	30,318.60	16,325.40	46,644.00	
M08706	Steel Gas Pipe, ø80	m	35.50	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	10,437.00	0.00	6,262.20	4,174.80	10,437.00	
M06003	Zinc Rich Primer for Steel	kg	1.09	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	407.86	0.00	264.98	142.88	407.86	
M06021	Phenol Resin Paint for Steel	kg	1.17	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	318.24	0.00	206.86	111.38	318.24	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete 1K4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,790.54	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	301.78	368.84	368.84	301.78	670.62	1.0%
	Total									5,777.15	60,978.57	976.61	38,855.00	28,877.32	67,732.33	
	Components (%)									8.5%	90.0%	1.4%	57.4%	42.6%	100.0%	
	Unit Rate	each								577.44	6,094.95	97.61	3,883.65	2,886.35	6,770.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(3)a Informatory Signs (Rectangular 0.75mx1.00m, single post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	md	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07201	Traffic Sign Board (aluminum)	m2	7.50	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	103,500.00	0.00	67,275.00	36,225.00	103,500.00	
M08706	Steel Gas Pipe, φ80	m	38.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	11,172.00	0.00	6,703.20	4,468.80	11,172.00	
M06003	Zinc Rich Primer for Steel	kg	1.16	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	433.84	0.00	282.00	151.84	433.84	
M06021	Phenol Resin Paint for Steel	kg	1.25	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	340.00	0.00	221.00	119.00	340.00	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,128.15	21.89	82.02	2,708.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	561.15	685.85	685.85	561.15	1,247.01	1.0%
Total										5,777.15	118,876.88	1,293.63	76,600.58	49,347.08	125,947.66	
Components (%)										4.6%	94.4%	1.0%	60.8%	39.2%	100.0%	
Unit Rate			each							577.95	11,892.63	129.42	7,663.24	4,936.78	12,600.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(3)b Informatory Signs (Type A, double post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	622.60	0.00	0.00	0.00	622.60	622.60	
L020	Unskilled Labor	md	3.70	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,161.80	0.00	0.00	0.00	1,161.80	1,161.80	
M07201	Traffic Sign Board (aluminum)	m2	9.00	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	124,200.00	0.00	80,730.00	43,470.00	124,200.00	
M08706	Steel Gas Pipe, φ65	m	86.00	0.0%	100.0%	0.0%	60.0%	40.0%	251.00	0.00	21,586.00	0.00	12,951.60	8,634.40	21,586.00	
M06003	Zinc Rich Primer for Steel	kg	2.28	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	452.72	0.00	554.27	298.45	452.72	
M06021	Phenol Resin Paint for Steel	kg	2.46	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	669.12	0.00	434.93	234.19	669.12	
W0109	Excavation, Manpower	m3	26.55	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	3,504.60	0.00	0.00	0.00	3,504.60	3,504.60	
W0115	Disposal of Surplus Soil (manpower loading)	m3	2.51	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	118.13	27.92	112.48	79.21	179.32	258.53	
W0135	Backfill, Manpower + Compactor	m3	24.04	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	1,434.12	103.76	298.79	228.80	1,606.86	1,836.86	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.56	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	106.05	3,326.72	740.03	2,365.73	1,807.07	4,172.80	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	2.51	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	551.22	1.10	9.92	6.06	556.18	562.24	
W0236	Concrete Curing (plain concrete)	m3	2.51	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	15.75	1.94	4.52	3.55	18.66	22.21	
W0240	Formwork (plain concrete H<4m)	m2	25.13	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	3,283.69	2,251.41	43.76	163.98	5,414.88	5,578.86	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	742.63	907.65	907.65	742.63	1,650.28	1.0%
Total										10,797.95	153,763.32	2,117.15	98,426.80	68,251.62	166,678.42	
Components (%)										6.3%	92.3%	1.3%	59.1%	40.9%	100.0%	
Unit Rate			each							1,081.88	15,406.00	212.12	9,861.67	6,838.33	16,700.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

805(3)c Informatory Signs (Type B, double post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
L002	Foreman	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	622.60	0.00	0.00	0.00	0.00	622.60	622.60	
L020	Unskilled Labor	md	3.70	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,161.80	0.00	0.00	0.00	0.00	1,161.80	1,161.80	
M07201	Traffic Sign Board (aluminum)	m2	50.15	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	416,070.00	0.00	0.00	270,445.50	145,624.50	416,070.00	
M08707	Steel Gas Pipe, φ100	m	123.00	0.0%	100.0%	0.0%	60.0%	40.0%	410.00	0.00	50,430.00	0.00	0.00	30,258.00	20,172.00	50,430.00	
M06003	Zinc Rich Primer for Steel	kg	5.02	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	1,877.48	0.00	0.00	1,220.36	657.12	1,877.48	
M06021	Phenol Resin Paint for Steel	kg	5.41	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	1,471.52	0.00	0.00	966.49	515.03	1,471.52	
W0109	Excavation, Manpower	m3	26.55	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	3,504.60	0.00	0.00	0.00	0.00	3,504.60	3,504.60	
W0115	Disposal of Surplus Soil (manpower loading)	m3	2.51	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	118.13	27.92	112.48	79.21	479.32	258.53	258.53	
W0135	Backfill, Manpower + Compactor	m3	24.04	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	1,434.12	103.76	298.79	229.80	1,606.86	1,836.66	1,836.66	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.56	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	106.05	3,326.72	740.03	2,365.73	1,807.07	4,172.80	4,172.80	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	2.51	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	551.22	1.10	9.92	6.06	566.18	562.24	562.24	
W0236	Concrete Curing (plain concrete)	m3	2.51	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	15.75	1.94	4.52	3.55	18.66	22.21	22.21	
W0240	Formwork (plain concrete 11<4m)	m2	25.13	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	3,283.69	2,251.41	43.76	163.98	5,414.88	5,678.86	5,678.86	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	2,194.06	2,681.63	2,681.63	2,194.06	4,875.69	4,875.69	1.0%
Total										10,797.95	477,755.92	3,891.13	308,410.33	184,034.66	492,444.99	492,444.99	
Components (%)										2.2%	87.6%	0.8%	62.6%	37.4%	100.0%	100.0%	
Unit Rate			each							1,078.82	47,732.42	388.76	30,813.16	18,386.84	49,200.00	49,200.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

805(3)d Informatory Signs (Type C, double post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks	
				Component (%)						Component (PP)							
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local			
L002	Foreman	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	622.60	0.00	0.00	0.00	0.00	622.60	622.60	
L020	Unskilled Labor	md	3.70	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,161.80	0.00	0.00	0.00	0.00	1,161.80	1,161.80	
M07201	Traffic Sign Board (aluminum)	m2	50.25	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	693,450.00	0.00	0.00	450,742.50	242,707.50	693,450.00	
M08708	Steel Gas Pipe, φ125	m	127.00	0.0%	100.0%	0.0%	60.0%	40.0%	503.00	0.00	63,881.00	0.00	0.00	38,328.60	25,552.40	63,881.00	
M06003	Zinc Rich Primer for Steel	kg	6.48	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	2,423.52	0.00	0.00	1,575.29	848.23	2,423.52	
M06021	Phenol Resin Paint for Steel	kg	6.98	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	1,898.56	0.00	0.00	1,234.06	664.50	1,898.56	
W0109	Excavation, Manpower	m3	33.09	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	4,367.88	0.00	0.00	0.00	0.00	4,367.88	4,367.88	
W0115	Disposal of Surplus Soil (manpower loading)	m3	3.40	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	168.02	37.83	152.36	107.30	242.90	350.20	350.20	
W0135	Backfill, Manpower + Compactor	m3	29.69	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	1,771.17	128.14	369.01	283.81	1,984.51	2,268.32	2,268.32	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	3.47	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	143.74	4,509.27	1,003.09	3,206.68	2,449.42	5,656.10	5,656.10	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	3.40	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	746.67	1.49	13.44	8.21	753.39	761.60	761.60	
W0236	Concrete Curing (plain concrete)	m3	3.40	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	21.34	2.62	6.12	4.81	25.28	30.09	30.09	
W0240	Formwork (plain concrete 11<4m)	m2	32.04	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	4,188.61	2,870.48	55.79	209.07	6,903.81	7,112.88	7,112.88	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	3,527.93	4,311.92	4,311.92	3,527.93	7,839.85	7,839.85	1.0%
Total										13,181.82	772,730.85	5,911.73	500,012.26	291,812.14	791,824.40	791,824.40	
Components (%)										1.7%	97.6%	0.7%	63.1%	36.9%	100.0%	100.0%	
Unit Rate			each							1,318.47	77,290.22	591.30	50,012.31	29,187.69	79,200.00	79,200.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(3)e Informatory Signs (Type D, double post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	622.60	0.00	0.00	0.00	622.60	622.60	
L020	Unskilled Labor	md	3.70	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,161.80	0.00	0.00	0.00	1,161.80	1,161.80	
M07201	Traffic Sign Board (aluminum)	m2	70.35	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	970,830.00	0.00	631,039.50	339,790.50	970,830.00	
M08709	Steel Gas Pipe, φ150	m	133.00	0.0%	100.0%	0.0%	60.0%	40.0%	707.00	0.00	94,031.00	0.00	56,418.60	37,612.40	94,031.00	
M06003	Zinc Rich Primer for Steel	kg	8.15	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	3,048.10	0.00	1,981.27	1,066.84	3,048.10	
M06021	Phenol Resin Paint for Steel	kg	8.77	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	2,385.44	0.00	1,550.54	834.90	2,385.44	
W0109	Excavation, Manpower	m3	42.94	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	5,668.08	0.00	0.00	0.00	5,668.08	5,668.08	
W0115	Disposal of Surplus Soil (manpower loading)	m3	4.77	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	224.49	53.07	213.75	150.54	340.77	491.31	
W0135	Backfill, Manpower + Compactor	m3	38.17	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	2,277.04	164.74	474.40	364.87	2,551.32	2,915.19	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	4.87	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	201.73	6,328.57	1,407.80	4,500.44	3,437.66	7,938.10	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	4.77	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,047.53	2.10	18.86	11.52	1,056.96	1,056.96	
W0236	Concrete Curing (plain concrete)	m3	4.77	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	29.94	3.68	8.59	6.75	35.46	42.21	
W0240	Formwork (plain concrete H<4m)	m2	42.41	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	5,541.64	3,789.54	73.84	276.74	9,138.28	9,415.02	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	4,948.28	6,047.90	6,047.90	4,948.28	10,996.18	1.0%
Total										16,774.80	1,085,584.51	8,245.14	702,348.67	408,265.85	1,110,614.51	
Components (%)										1.5%	97.7%	0.7%	63.2%	36.8%	100.0%	
Unit Rate			each							1,676.56	108,499.38	824.06	70,196.01	40,803.99	111,000.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(3)f Informatory Signs (Type E, triple post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	33.00	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	455,400.00	0.00	296,010.00	159,390.00	455,400.00	
M08707	Steel Gas Pipe, φ100	m	249.00	0.0%	100.0%	0.0%	60.0%	40.0%	410.00	0.00	102,000.00	0.00	61,254.00	40,836.00	102,000.00	
M06003	Zinc Rich Primer for Steel	kg	10.17	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	3,803.58	0.00	2,472.33	1,331.25	3,803.58	
M06021	Phenol Resin Paint for Steel	kg	10.95	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	2,978.40	0.00	1,935.96	1,042.44	2,978.40	
W0109	Excavation, Manpower	m3	39.82	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	5,256.24	0.00	0.00	0.00	5,256.24	5,256.24	
W0115	Disposal of Surplus Soil (manpower loading)	m3	3.77	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	177.43	41.94	168.94	118.98	269.33	388.31	
W0135	Backfill, Manpower + Compactor	m3	36.05	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	2,150.57	155.59	448.05	344.61	2,409.61	2,754.22	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	3.85	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	159.48	5,003.08	1,112.94	3,557.84	2,717.66	6,275.50	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	3.77	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	827.92	1.66	14.90	9.11	835.37	844.48	
W0236	Concrete Curing (plain concrete)	m3	3.77	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	23.66	2.91	6.79	5.34	28.02	33.36	
W0240	Formwork (plain concrete H<4m)	m2	37.70	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	4,926.19	3,377.56	65.64	246.01	8,123.39	8,369.40	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	2,655.86	3,246.06	3,246.06	2,655.86	5,901.91	1.0%
Total										15,519.50	575,510.58	5,063.32	369,200.22	226,893.19	596,093.40	
Components (%)										2.6%	96.5%	0.8%	61.9%	38.1%	100.0%	
Unit Rate			each							1,551.71	57,542.04	506.25	36,914.24	22,685.76	59,600.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(3)g Informatory Signs (Type F, triple post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	66.00	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	910,800.00	0.00	592,020.00	318,780.00	910,800.00	
M08708	Steel Gas Pipe, φ125	m	255.00	0.0%	100.0%	0.0%	60.0%	40.0%	503.00	0.00	128,265.00	0.00	76,959.00	51,306.00	128,265.00	
M06003	Zinc Rich Primer for Steel	kg	13.02	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	4,869.48	0.00	3,165.16	1,704.32	4,869.48	
M06021	Phenol Resin Paint for Steel	kg	14.02	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	3,813.44	0.00	2,478.74	1,334.70	3,813.44	
W0109	Excavation, Manpower	m3	49.64	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	6,552.48	0.00	0.00	0.00	6,552.48	6,552.48	
W0115	Disposal of Surplus Soil (manpower loading)	m3	5.11	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	240.49	56.85	228.99	161.27	365.06	526.33	
W0135	Backfill, Manpower + Compactor	m3	44.53	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	2,656.45	192.19	553.45	425.67	2,976.42	3,402.09	Loss 2.0%
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	5.21	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	215.82	6,770.40	1,506.08	4,814.64	3,677.66	8,492.30	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	5.11	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,122.20	2.24	20.20	12.34	1,132.30	1,144.64	
W0236	Concrete Curing (plain concrete)	m3	5.11	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	32.07	3.94	9.20	7.23	37.99	45.22	
W0240	Formwork (plain concrete H<4m)	m2	48.07	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	6,281.22	4,306.62	83.70	313.68	10,357.86	10,671.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	4,862.61	5,943.19	5,943.19	4,862.61	10,805.81	1.0%
Total										19,098.73	1,063,942.78	8,344.81	686,300.92	405,085.41	1,091,386.33	
Components (%)										1.7%	97.5%	0.8%	62.9%	37.1%	100.0%	
Unit Rate			each							1,907.45	106,259.13	833.42	68,542.91	40,457.09	109,000.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(3)h Informatory Signs (Type G, triple post)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	109.20	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	1,506,960.00	0.00	979,524.00	527,436.00	1,506,960.00	
M08708	Steel Gas Pipe, φ150	m	255.00	0.0%	100.0%	0.0%	60.0%	40.0%	707.00	0.00	180,285.00	0.00	108,171.00	72,114.00	180,285.00	
M06003	Zinc Rich Primer for Steel	kg	15.62	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	5,841.88	0.00	3,797.22	2,044.66	5,841.88	
M06021	Phenol Resin Paint for Steel	kg	16.82	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	4,575.04	0.00	2,973.78	1,601.26	4,575.04	
W0109	Excavation, Manpower	m3	64.41	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	8,502.12	0.00	0.00	0.00	8,502.12	8,502.12	
W0115	Disposal of Surplus Soil (manpower loading)	m3	7.16	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	336.97	79.66	320.85	225.97	511.51	737.48	
W0135	Backfill, Manpower + Compactor	m3	57.25	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	3,415.27	247.09	711.54	547.26	3,826.64	4,373.90	Loss 2.0%
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	7.30	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	302.39	9,486.35	2,110.25	6,746.04	5,152.96	11,899.00	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	7.16	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,572.39	3.14	28.30	17.30	1,586.54	1,603.84	
W0236	Concrete Curing (plain concrete)	m3	7.16	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	44.94	5.53	12.90	10.13	53.24	63.37	
W0240	Formwork (plain concrete H<4m)	m2	63.62	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	8,313.12	5,699.75	110.77	415.15	13,708.49	14,123.64	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	7,834.33	9,575.30	9,575.30	7,834.33	17,409.63	1.0%
Total										24,485.21	1,721,017.78	12,869.92	1,112,003.14	646,369.77	1,758,372.90	
Components (%)										1.4%	97.9%	0.7%	63.2%	36.8%	100.0%	
Unit Rate			each							2,450.79	172,261.03	1,288.18	111,303.21	64,696.79	176,000.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(4)a Special Signs (750x600mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	666.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	4.50	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	62,100.00	0.00	40,365.00	21,735.00	62,100.00	
M08706	Steel Gas Pipe, φ80	m	34.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	9,996.00	0.00	5,997.60	3,998.40	9,996.00	
M06003	Zinc Rich Primer for Steel	kg	1.04	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	388.96	0.00	252.82	136.14	388.96	
M06021	Phenol Resin Paint for Steel	kg	1.12	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	304.64	0.00	198.02	106.62	304.64	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.30	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,798.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	372.48	455.25	455.25	372.48	827.73	1.0%
Total										6,505.95	76,031.97	1,063.03	48,702.22	34,898.72	83,600.94	
Components (%)										6.8%	92.0%	1.2%	59.0%	41.0%	100.0%	
Unit Rate			each							650.59	7,603.11	106.30	4,870.17	3,489.83	8,360.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(4)b Special Signs (600x800mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	5.28	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	72,864.00	0.00	47,361.60	25,502.40	72,864.00	
M08706	Steel Gas Pipe, φ80	m	36.80	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	10,819.20	0.00	6,491.52	4,327.68	10,819.20	
M06003	Zinc Rich Primer for Steel	kg	1.13	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	422.62	0.00	274.70	147.92	422.62	
M06021	Phenol Resin Paint for Steel	kg	1.21	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	329.12	0.00	213.93	115.19	329.12	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.30	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete H<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,798.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	424.88	519.30	519.30	424.88	944.19	1.0%
Total										6,505.95	87,729.71	1,127.08	56,294.58	39,068.15	95,362.74	
Components (%)										6.8%	92.0%	1.2%	59.0%	41.0%	100.0%	
Unit Rate			each							650.85	8,776.40	112.75	5,631.66	3,908.34	9,540.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(4)c Special Signs (900x550mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	4.95	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	68,310.00	0.00	44,401.50	23,908.50	68,310.00	
M08706	Steel Gas Pipe, φ80	m	33.50	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	9,849.00	0.00	5,909.40	3,939.60	9,849.00	
M06003	Zinc Rich Primer for Steel	kg	1.03	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	385.22	0.00	250.39	134.83	385.22	
M06021	Phenol Resin Paint for Steel	kg	1.10	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	294.20	0.00	194.48	104.72	294.20	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete W<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,708.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	399.72	488.55	488.55	399.72	888.27	1.0%
	Total									6,505.95	82,113.03	1,095.32	52,677.85	37,037.45	89,715.30	
	Components (%)									7.3%	91.5%	1.2%	58.7%	41.3%	100.0%	
	Unit Rate	each								650.48	8,209.90	109.61	5,266.89	3,703.11	8,970.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

605(4)d Special Signs (850x750mm)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.20	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	679.20	0.00	0.00	0.00	679.20	679.20	
L020	Unskilled Labor	md	4.20	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,318.80	0.00	0.00	0.00	1,318.80	1,318.80	
M07201	Traffic Sign Board (aluminum)	m2	6.38	0.0%	100.0%	0.0%	65.0%	35.0%	13,800.00	0.00	88,044.00	0.00	57,228.60	30,815.40	88,044.00	
M08706	Steel Gas Pipe, φ80	m	35.50	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	10,437.00	0.00	6,262.20	4,174.80	10,437.00	
M06003	Zinc Rich Primer for Steel	kg	1.09	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	407.66	0.00	264.98	142.68	407.66	
M06021	Phenol Resin Paint for Steel	kg	1.17	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	318.24	0.00	206.86	111.38	318.24	
W0109	Excavation, Manpower	m3	13.27	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	1,751.64	0.00	0.00	0.00	1,751.64	1,751.64	
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.26	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	59.30	14.02	56.46	39.76	90.02	129.78	
W0135	Backfill, Manpower + Compactor	m3	12.01	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	716.46	51.84	149.27	114.80	802.76	917.56	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.29	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	53.44	1,676.36	372.91	1,192.11	910.59	2,102.70	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	1.26	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	276.71	0.55	4.98	3.04	279.20	282.24	
W0236	Concrete Curing (plain concrete)	m3	1.26	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	7.91	0.97	2.27	1.78	9.37	11.15	
W0240	Formwork (plain concrete W<4m)	m2	12.57	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	1,642.50	1,126.15	21.89	82.02	2,708.52	2,790.54	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	491.36	600.55	600.55	491.36	1,091.91	1.0%
	Total									6,505.95	102,568.15	1,208.32	65,996.71	44,285.70	110,282.42	
	Components (%)									5.9%	93.0%	1.1%	59.8%	40.2%	100.0%	
	Unit Rate	each								648.93	10,230.55	120.52	6,582.77	4,417.23	11,000.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

607(2)a Reflectorized Pavement Studs (Raised Profile Type, one face reflective)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L020	Unskilled Labor	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	345.40	0.00	0.00	0.00	345.40	345.40	
M07401	Reflectorized Pavement Stud (one side reflective)	each	10.00	0.0%	100.0%	0.0%	60.0%	40.0%	717.00	0.00	7,170.00	0.00	4,302.00	2,868.00	7,170.00	
	Miscellaneous	LS	1.00	0.0%	50.0%	50.0%	55.0%	45.0%		0.00	112.73	112.73	124.00	101.46	225.46	3.0%
	Total									345.40	7,282.73	112.73	4,426.00	3,314.86	7,740.86	
	Components (%)									4.5%	94.1%	1.5%	57.2%	42.8%	100.0%	
	Unit Rate	each								34.54	728.19	11.27	442.55	331.45	774.00	

Miscellaneous covers the cost for mortar, cutter, minor tools, etc.

607(2)b ReflectORIZED Pavement Studs (Raised Profile Type, two faces reflective)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
1.020	Unskilled Labor	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	345.40	0.00	0.00	0.00	345.40	345.40	
M07402	ReflectORIZED Pavement Stud (two sides reflective)	each	10.00	0.0%	100.0%	0.0%	80.0%	40.0%	776.00	0.00	7,760.00	0.00	4,656.00	3,104.00	7,760.00	
	Miscellaneous	LS	1.00	0.0%	50.0%	50.0%	50.0%	50.0%		0.00	121.58	121.58	121.58	121.58	243.16	3.0%
Total										345.40	7,881.58	121.58	4,777.58	3,570.98	8,348.56	
Components (%)										4.1%	94.4%	1.5%	57.2%	42.8%	100.0%	
Unit Rate			each							34.55	788.29	12.16	477.84	357.16	835.00	

Miscellaneous covers the cost for mortar, cutter, minor tools, etc.

607(3) Chatter Bars (one side reflective)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
1.020	Unskilled Labor	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	345.40	0.00	0.00	0.00	345.40	345.40	
M07405	Chatter Bar	each	10.00	0.0%	100.0%	0.0%	60.0%	40.0%	1,740.00	0.00	17,400.00	0.00	10,440.00	6,960.00	17,400.00	
	Miscellaneous	LS	1.00	0.0%	50.0%	50.0%	50.0%	50.0%		0.00	266.18	266.18	266.18	266.18	532.36	3.0%
Total										345.40	17,666.18	266.18	10,706.18	7,571.58	18,277.76	
Components (%)										1.9%	96.7%	1.5%	58.6%	41.4%	100.0%	
Unit Rate			each							34.59	1,768.77	26.65	1,071.92	758.08	1,830.00	

Miscellaneous covers the cost for mortar, cutter, minor tools, etc.

608(1) Furnishing and Placing Top Soil for Plantation

Unit: 10.00 m3

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
M03001	Quarry Royalty (Borrow Soil)	m3	12.00	0.0%	100.0%	0.0%	0.0%	100.0%	15.00	0.00	180.00	0.00	0.00	180.00	180.00	Loss 20.0%
R0102-061	Backhoe, hydraulic, crawler, 0.6m3	hr	0.28	4.4%	8.4%	87.2%	52.9%	47.1%	1,740.00	21.44	40.92	424.84	257.62	229.58	487.20	
R0601-006	Dump Truck, 6.0-9.0 cu-yds (4.6-6.9m3)	hr	3.72	10.0%	17.9%	72.1%	50.8%	49.2%	603.00	224.32	401.53	1,617.32	1,139.03	1,104.13	2,243.16	
1.020	Unskilled Labor	md	1.90	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	596.60	0.00	0.00	0.00	596.60	596.60	
	Miscellaneous	LS	1.00	5.0%	30.0%	65.0%	50.0%	50.0%		3.51	21.04	45.59	35.07	35.07	70.14	2.0%
Total										845.86	643.49	2,087.75	1,431.73	2,145.37	3,577.10	
Components (%)										23.6%	18.0%	58.4%	40.0%	60.0%	100.0%	
Unit Rate			m3							84.65	64.40	208.94	143.29	214.71	358.00	

Miscellaneous covers the costs for screening, sieving, selection of soil, compaction, etc.

Q = 3600·q·F·E/Cm (Backhoe)

Q : Excavation Volume per hour

q : Excavation Volume per Cycle

F : Volume Coefficient

E : Efficiency

Cm : Cycle Time

Q = q·F·E/Cm (Dump Truck)

Q : Transportation Volume per hour

q : Loading Capacity of a Truck

F : Volume Coefficient

E : Efficiency

Cm : Cycle Time = A + 2·L/V

A : Loading time

L : Average Distance from Quarry

= 3.22 m3/hr

= 6.70 m3

= 1.00

= 0.90

= 1.87 hr

= 30.00 km/hr

= 0.27 hr

= 24.00 km

Unskilled labor for filling work

610(1) Sodding

Unit: 100.00 m2

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.60	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	339.60	0.00	0.00	0.00	339.60	339.60	
L020	Unskilled Labor	md	6.40	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	2,009.60	0.00	0.00	0.00	2,009.60	2,009.60	
M1111	Sod	m2	100.00	0.0%	100.0%	0.0%	7.0%	93.0%	29.40	0.00	2,940.00	0.00	205.80	2,734.20	2,940.00	
	Miscellaneous	LS	1.00	0.0%	50.0%	50.0%	50.0%	50.0%		0.00	105.78	105.78	105.78	105.78	211.57	4.0%
Total										2,349.20	3,045.78	105.78	311.58	5,189.18	5,500.77	
Components (%)										42.7%	55.4%	1.9%	5.7%	94.3%	100.0%	
Unit Rate			m2							23.49	30.45	1.06	3.12	51.88	55.00	

Miscellaneous covers the cost for pins, minor tools, minor materials, etc.

611(1)a Trees (Furnishing and Transplanting) Low Tree H≤1.5m

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
M11002	Tree H=1m	each	10.00	0.0%	100.0%	0.0%	7.0%	93.0%	215.00	0.00	2,150.00	0.00	150.50	1,999.50	2,150.00	
W0911	Digging Out Tree, Low Tree H≤1.5m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	18.60	186.00	0.00	0.00	0.00	186.00	186.00	
W0921	Tree Haulage, Low Tree H≤1.5m	each	10.00	13.5%	19.3%	67.2%	49.0%	51.0%	27.00	36.45	52.11	181.44	132.28	137.72	270.00	
W0931	Tree Planting, Low Tree H≤1.5m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	9.11	91.10	0.00	0.00	0.00	91.10	91.10	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total									313.55	2,202.11	181.44	282.78	2,414.32	2,697.10		
Components (%)									11.6%	81.8%	6.7%	10.5%	89.5%	100.0%		
Unit Rate		each							31.36	220.45	18.15	28.28	241.69	270.00		

611(1)b Trees (Furnishing and Transplanting) Medium Tree 1.5m<H≤3.0m

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
M11003	Tree H=1.5m	each	10.00	0.0%	100.0%	0.0%	7.0%	93.0%	503.00	0.00	5,030.00	0.00	352.10	4,677.90	5,030.00	
W0912	Digging Out Tree, Medium Tree 1.5m<H≤3.0m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	35.70	357.00	0.00	0.00	0.00	357.00	357.00	
W0922	Tree Haulage, Medium Tree 1.5m<H≤3.0m	each	10.00	13.5%	19.3%	67.2%	49.0%	51.0%	49.80	67.23	96.11	334.66	243.98	254.02	498.00	
W0932	Tree Planting, Medium Tree 1.5m<H≤3.0m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	27.20	272.00	0.00	0.00	0.00	272.00	272.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total									696.23	5,126.11	334.66	596.08	5,560.92	6,157.00		
Components (%)									11.3%	83.3%	5.4%	9.7%	90.3%	100.0%		
Unit Rate		each							69.62	512.61	33.47	59.61	556.35	615.70		

611(1)c Trees (Furnishing and Transplanting) High Tree (young tree) 1.5m<H≤3.0m

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
M11004	Tree H=2m	each	10.00	0.0%	100.0%	0.0%	7.0%	93.0%	838.00	0.00	8,380.00	0.00	586.60	7,793.40	8,380.00	
W0913	Digging Out Tree, High Tree (young tree) 1.5m<H≤3.0m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	63.00	630.00	0.00	0.00	0.00	630.00	630.00	
W0923	Tree Haulage, High Tree (young tree) 1.5m<H≤3.0m	each	10.00	13.5%	19.3%	67.2%	49.0%	51.0%	87.60	118.26	169.07	588.67	429.17	446.83	876.00	
W0933	Tree Planting, High Tree (young tree) 1.5m<H≤3.0m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	113.00	1,130.00	0.00	0.00	0.00	1,130.00	1,130.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total									1,878.26	8,549.07	588.67	1,015.77	10,000.23	11,016.00		
Components (%)									17.1%	77.6%	5.3%	9.2%	90.8%	100.0%		
Unit Rate		each							187.55	854.91	58.87	101.43	998.57	1,101.60		

611(2)a Trees (Transplanting) Low Tree H≤1.5m

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0911	Digging Out Tree, Low Tree H≤1.5m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	18.60	186.00	0.00	0.00	0.00	186.00	186.00	
W0921	Tree Haulage, Low Tree H≤1.5m	each	10.00	13.5%	19.3%	67.2%	49.0%	51.0%	27.00	36.45	52.11	181.44	132.28	137.72	270.00	
W0931	Tree Planting, Low Tree H≤1.5m	each	10.00	100.0%	0.0%	0.0%	0.0%	100.0%	9.11	91.10	0.00	0.00	0.00	91.10	91.10	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0%
Total									313.55	52.11	181.44	132.28	414.82	601.81		
Components (%)									52.1%	8.7%	30.1%	22.0%	68.9%	100.0%		
Unit Rate		each							31.36	5.21	18.15	13.23	41.50	60.20		

Miscellaneous covers the cost for storage, maintenance, fertilizer, etc.

611(2)b Trees (Transplanting) Medium Tree 1.5m<H≤3.0m

Unit: 100.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0912	Digging Out Tree, Medium Tree 1.5m<H≤3.0m	each	100.00	100.0%	0.0%	0.0%	0.0%	100.0%	35.70	3,570.00	0.00	0.00	0.00	3,570.00	3,570.00	
W0922	Tree Haulage, Medium Tree 1.5m<H≤3.0m	each	100.00	13.5%	19.3%	67.2%	49.0%	51.0%	49.80	672.30	961.14	3,346.56	2,439.79	2,540.21	4,980.00	
W0932	Tree Planting, Medium Tree 1.5m<H≤3.0m	each	100.00	100.0%	0.0%	0.0%	0.0%	100.0%	27.20	2,720.00	0.00	0.00	0.00	2,720.00	2,720.00	
	Miscellaneous	LS	1.00						0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.0%
Total									6,962.30	961.14	3,346.56	2,439.79	8,830.21	12,397.00		
Components (%)									56.2%	7.8%	27.0%	19.7%	71.2%	100.0%		
Unit Rate		each							69.64	9.61	33.47	24.40	88.32	124.00		

Miscellaneous covers the cost for storage, maintenance, fertilizer, etc.

611(2)c Trees (Transplanting) High Tree (young tree) 1.5m<H≤3.0m										Unit:		100.00 each				
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local	Total (PP)	
W0913	Digging Out Tree, High Tree (young tree) 1.5m<H≤3.0m	each	100.00	100.0%	0.0%	0.0%	0.0%	100.0%	63.00	6,300.00	0.00	0.00	0.00	6,300.00	6,300.00	
W0920	Tree Haulage, High Tree (young tree) 1.5m<H≤3.0m	each	100.00	13.5%	19.3%	67.2%	49.0%	51.0%	87.60	1,182.60	1,690.68	5,886.72	4,291.68	4,468.32	8,760.00	
W0933	Tree Planting, High Tree (young tree) 1.5m<H≤3.0m	each	100.00	100.0%	0.0%	0.0%	0.0%	100.0%	113.80	11,300.00	0.00	0.00	0.00	11,300.00	11,300.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	2,636.00	10.0%
	Total									18,782.60	1,690.68	5,886.72	4,291.68	22,068.32	28,996.00	
	Components (%)									64.9%	5.8%	20.3%	14.8%	76.1%	100.0%	
	Unit Rate	each								187.85	16.91	58.88	42.92	220.71	290.00	

Miscellaneous covers the cost for storage, maintenance, fertilizer, etc.

611(3)a Planter Box of CHB (1.00m x 1.00m) for Road Side Plantation										Unit:		10.00 each				
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local	Total (PP)	
W0109	Excavation, Manpower	m3	19.86	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	2,621.52	0.00	0.00	0.00	2,621.52	2,621.52	
W0115	Disposal of Surplus Soil (manpower loading)	m3	5.61	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	264.03	62.41	251.39	177.05	400.78	577.83	
W0135	Backfill, Manpower + Compactor	m3	14.25	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	850.09	61.50	177.11	136.22	952.48	1,088.70	
L002	Foreman	md	0.70	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	396.20	0.00	0.00	0.00	396.20	396.20	
L007	Masonry	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	463.00	463.00	0.00	0.00	0.00	463.00	463.00	
L020	Unskilled Labor	md	2.70	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	847.80	0.00	0.00	0.00	847.80	847.80	
M12012	Concrete Hollow Block (load bearing) 6"x8"x16" (150x200x400mm)	each	433.50	0.0%	100.0%	0.0%	25.0%	75.0%	12.00	0.00	5,202.00	0.00	1,300.50	3,901.50	5,202.00	Loss 2.0%
W0221	Mortar (1:3)	m3	1.70	1.6%	93.8%	4.6%	58.1%	41.9%	1,820.00	50.61	2,902.34	141.05	1,796.80	1,297.20	3,094.00	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.44	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	18.18	519.09	127.14	374.95	289.45	664.40	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	0.43	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	94.43	0.19	1.70	1.04	95.28	96.32	
W0236	Concrete Curing (plain concrete)	m3	0.43	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	2.70	0.33	0.78	0.61	3.20	3.81	
W0243	Formwork (lean concrete)	m2	3.40	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	213.19	299.55	4.05	19.74	497.06	516.80	
	Miscellaneous	LS	1.00	0.0%	20.0%	80.0%	55.0%	45.0%		0.00	31.14	124.58	85.65	70.08	155.72	1.0%
	Total									5,821.75	9,078.56	827.79	3,892.56	11,835.55	15,728.10	
	Components (%)									37.0%	57.7%	5.3%	24.7%	75.3%	100.0%	
	Unit Rate	each								581.13	906.23	82.63	388.56	1,181.44	1,570.00	

Miscellaneous covers the cost for cart, minor tools, etc.

611(3)b Planter Box of CHB (3.00m x 1.00m) for Road Side Plantation										Unit:		10.00 each				
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local	Total (PP)	
W0109	Excavation, Manpower	m3	40.76	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	5,380.32	0.00	0.00	0.00	5,380.32	5,380.32	
W0115	Disposal of Surplus Soil (manpower loading)	m3	16.71	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	786.43	185.90	748.80	527.36	1,193.77	1,721.13	
W0135	Backfill, Manpower + Compactor	m3	24.05	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	1,434.71	103.80	298.91	229.90	1,607.52	1,837.42	
L002	Foreman	md	1.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	1,018.80	0.00	0.00	0.00	1,018.80	1,018.80	
L007	Masonry	md	2.50	100.0%	0.0%	0.0%	0.0%	100.0%	463.00	1,157.50	0.00	0.00	0.00	1,157.50	1,157.50	
L020	Unskilled Labor	md	6.80	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	2,135.20	0.00	0.00	0.00	2,135.20	2,135.20	
M12012	Concrete Hollow Block (load bearing) 6"x8"x16" (150x200x400mm)	each	1,082.00	0.0%	100.0%	0.0%	25.0%	75.0%	12.00	0.00	12,984.00	0.00	3,246.00	9,738.00	12,984.00	Loss 2.0%
W0221	Mortar (1:3)	m3	4.32	1.6%	93.8%	4.6%	58.1%	41.9%	1,820.00	128.61	7,375.37	358.43	4,565.99	3,296.41	7,862.40	
W0201	Lean Concrete (17MPa, max agg. 38mm)	m3	0.95	2.7%	78.1%	19.1%	56.4%	43.6%	1,510.00	39.25	1,120.74	274.50	809.55	624.95	1,434.50	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	0.93	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	204.24	0.41	3.68	2.25	206.07	208.32	
W0236	Concrete Curing (plain concrete)	m3	0.93	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	5.84	0.72	1.68	1.32	6.91	8.23	
W0243	Formwork (lean concrete)	m2	7.40	41.3%	58.0%	0.8%	3.8%	96.2%	152.00	464.01	651.97	8.82	42.96	1,081.84	1,124.80	
	Miscellaneous	LS	1.00	0.0%	20.0%	80.0%	55.0%	45.0%		0.00	73.75	294.98	202.80	165.93	368.73	1.0%
	Total									12,754.90	22,496.66	1,989.79	9,628.13	27,613.22	37,241.35	
	Components (%)									34.2%	60.4%	5.3%	25.9%	74.1%	100.0%	
	Unit Rate	each								1,274.07	2,247.17	198.76	961.74	2,758.26	3,720.00	

Miscellaneous covers the cost for cart, minor tools, etc.

611(4)a Planter Square Type A (1.13mx1.13m) for Road Side Plantation

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)							Component (PP)						
				Lab.	Mat.	Equip.	For.	Local	Labor		Material	Equipment	Foreign	Local	Total (PP)		
W0109	Excavation, Manpower	m3	1.28	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	188.96	0.00	0.00	0.00	188.96	188.96		
W0115	Disposal of Surplus Soil (manpower loading)	m3	1.28	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	60.24	14.24	57.36	40.40	91.44	131.84		
W0951	Precast Curbstone for Planter Square, Furnish	m	3.69	12.9%	67.6%	19.5%	50.0%	50.0%	47.80	22.83	119.17	34.38	88.15	88.23	176.38		
W0952	Precast Curbstone for Planter Square, Laying	m	3.69	96.2%	3.1%	0.8%	1.9%	98.1%	34.40	122.06	3.91	0.98	2.44	124.50	126.94		
W0161	Gravel Foundation Fill	m3	0.06	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	5.81	3.06	14.53	9.12	14.28	23.40		
W0956	Treading Prevention Board for Planter Square, Furnish	m2	0.99	13.5%	71.3%	15.3%	51.8%	48.2%	249.00	33.22	175.67	37.62	127.63	118.88	246.51		
W0957	Treading Prevention Board for Planter Square, Laying	m2	0.99	93.5%	4.6%	2.0%	3.3%	96.7%	32.20	29.79	1.46	0.63	1.04	30.84	31.88		
	Miscellaneous	LS	1.00	0.0%	80.0%	20.0%	55.0%	45.0%		0.00	21.74	5.44	14.95	12.23	27.18	3%	
Total										442.91	339.25	150.93	283.73	649.36	933.09		
Components (%)										47.5%	36.4%	16.2%	30.4%	69.6%	100.0%		
Unit Rate		each								442.87	339.21	150.92	283.71	649.29	933.00		

Miscellaneous covers the cost for joint mortar, minor tools, etc.

611(4)b Planter Square Type B (0.68mx1.70m) for Road Side Plantation

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)							Component (PP)						
				Lab.	Mat.	Equip.	For.	Local	Labor		Material	Equipment	Foreign	Local	Total (PP)		
W0109	Excavation, Manpower	m3	0.35	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	46.20	0.00	0.00	0.00	46.20	46.20		
W0115	Disposal of Surplus Soil (manpower loading)	m3	0.35	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	16.47	3.89	15.68	11.05	25.00	36.05		
W0951	Precast Curbstone for Planter Square, Furnish	m	3.36	12.9%	67.6%	19.5%	50.0%	50.0%	47.80	20.79	108.51	31.31	80.27	80.34	160.61		
W0952	Precast Curbstone for Planter Square, Laying	m	3.36	96.2%	3.1%	0.8%	1.9%	98.1%	34.40	111.13	3.56	0.89	2.22	113.36	115.58		
W0161	Gravel Foundation Fill	m3	0.05	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	4.84	2.55	12.11	7.60	11.90	19.50		
	Miscellaneous	LS	1.00	0.0%	80.0%	20.0%	55.0%	45.0%		0.00	9.07	2.27	6.24	5.10	11.34	3.0%	
Total										199.43	127.58	62.26	107.37	281.91	389.28		
Components (%)										51.2%	32.8%	16.0%	27.6%	72.4%	100.0%		
Unit Rate		each								199.29	127.49	62.22	107.30	281.70	389.00		

Miscellaneous covers the cost for joint mortar, minor tools, etc.

612(1)a ReflectORIZED Thermoplastic Pavement Markings (White)

Unit: 150.00 m2

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)							Component (PP)						
				Lab.	Mat.	Equip.	For.	Local	Labor		Material	Equipment	Foreign	Local	Total (PP)		
L002	Foreman	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	566.00	0.00	0.00	0.00	566.00	566.00		
L019	Skilled Labor	md	2.30	100.0%	0.0%	0.0%	0.0%	100.0%	433.00	926.90	0.00	0.00	0.00	926.90	926.90		
L020	Unskilled Labor	md	3.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	942.00	0.00	0.00	0.00	942.00	942.00		
M06041	Road marking paint (White, solution type with glass beads 15~18%)	kg	900.00	0.0%	100.0%	0.0%	65.0%	35.0%	62.70	0.00	56,430.00	0.00	36,679.50	19,750.50	56,430.00		
Q1106-015	Line Marker (Solution Type, Hand Guide) 15cm	hr	5.90	0.0%	0.0%	100.0%	60.5%	39.5%	65.40	0.00	0.00	385.86	233.31	152.55	385.86		
Q1007-005	Water Tank, 5m3	day	1.04	0.0%	0.0%	100.0%	61.1%	38.9%	178.80	0.00	0.00	185.12	113.17	71.95	185.12		
R0603-002	Pick-up truck 2.2t	hr	9.80	14.0%	10.9%	75.1%	47.8%	52.2%	589.80	808.11	629.17	4,334.92	2,761.55	3,010.65	5,772.20		
	Miscellaneous	LS	1.00	0.0%	80.0%	20.0%	55.0%	45.0%		0.00	2,086.66	521.66	1,434.58	1,173.75	2,608.32	4.0%	
Total										3,243.01	59,145.83	5,427.57	41,222.10	26,594.30	67,816.40		
Components (%)										4.8%	87.2%	8.0%	60.8%	39.2%	100.0%		
Unit Rate		m2								21.61	394.21	36.18	274.75	177.25	452.00		

Miscellaneous covers the cost for primer, propane gas, minor tools, etc.

612(1)b ReflectORIZED Thermoplastic Pavement Markings (Yellow)

Unit: 150.00 m2

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	566.00	0.00	0.00	0.00	0.00	566.00	566.00	
L019	Skilled Labor	md	2.30	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	926.90	0.00	0.00	0.00	0.00	926.90	926.90	
L020	Unskilled Labor	md	3.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	942.00	0.00	0.00	0.00	0.00	942.00	942.00	
M06042	Road marking paint (Yellow, solution type with glass beads 15~18%)	kg	900.00	0.0%	100.0%	0.0%	65.0%	35.0%	64.60	0.00	58,140.00	0.00	37,791.00	20,349.00	58,140.00		
Q1106-015	Line Marker (Solution Type, Hand Guide) 15cm	hr	5.90	0.0%	0.0%	100.0%	60.5%	39.5%	65.40	0.00	0.00	385.86	233.31	152.55	385.86		
Q1007-005	Water Tank, 5m3	day	1.04	0.0%	0.0%	100.0%	61.1%	38.9%	178.00	0.00	0.00	185.12	113.17	71.95	185.12		
R0603-002	Pick-up truck 2.2t	hr	9.80	14.0%	10.9%	75.1%	47.8%	52.2%	689.00	808.11	629.17	4,334.92	2,761.55	3,010.65	5,772.20		
	Miscellaneous	LS	1.00	0.0%	80.0%	20.0%	55.0%	45.0%		0.00	2,141.38	535.34	1,472.20	1,204.53	2,676.72		4.0%
Total										3,243.01	60,910.55	5,441.25	42,371.22	27,223.58	69,594.80		
Components (%)										4.7%	87.5%	7.8%	60.9%	39.1%	100.0%		
Unit Rate			m2							21.62	406.10	36.28	282.50	181.50	464.00		

Miscellaneous covers the cost for primer, propane gas, minor tools, etc.

SPL 812(2) Removal of Existing Thermoplastic Pavement Markings

Unit: 10.00 m2

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	56.60	0.00	0.00	0.00	56.60	56.60		
L020	Unskilled Labor	md	2.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	628.00	0.00	0.00	0.00	628.00	628.00		
	Miscellaneous	LS	1.00	10.0%	40.0%	50.0%	50.0%	50.0%		3.42	13.69	17.12	17.12	17.12	34.23		5.0%
Total										688.02	13.69	17.12	17.12	701.72	718.83		
Components (%)										95.7%	1.9%	2.4%	2.4%	97.6%	100.0%		
Unit Rate			m2							68.82	1.37	1.71	1.71	70.19	71.90		

Miscellaneous covers the costs for minor tools such as cart, picks, chisel, etc.

615(1)a Delineator (ground standing type)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
L020	Unskilled Labor	md	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	345.40	0.00	0.00	0.00	345.40	345.40		
M07501	Delineator, Type A (ground standing type)	each	10.00	0.0%	100.0%	0.0%	80.0%	40.0%	1,450.00	0.00	14,500.00	0.00	8,700.00	5,800.00	14,500.00		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00		0.0%
Total										345.40	14,500.00	0.00	8,700.00	6,145.40	14,845.40		
Components (%)										2.3%	97.7%	0.0%	58.6%	41.4%	100.0%		
Unit Rate			each							34.43	1,445.57	0.00	867.34	612.66	1,480.00		

615(1)b Delineator (attached on guardrail)

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
L020	Unskilled Labor	md	0.40	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	125.60	0.00	0.00	0.00	125.60	125.60		
M07503	Delineator, Type C (on guardrail)	each	10.00	0.0%	100.0%	0.0%	80.0%	40.0%	564.00	0.00	5,640.00	0.00	3,384.00	2,256.00	5,640.00		
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00		0.0%
Total										125.60	5,640.00	0.00	3,384.00	2,381.60	5,765.60		
Components (%)										2.2%	97.8%	0.0%	58.7%	41.3%	100.0%		
Unit Rate			each							12.57	564.43	0.00	338.66	238.34	577.00		

615(2)a		Curve Mirror 1-φ600		Unit: 10.00 each												
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local	Labor	Material	Equipment	Foreign	Local	Total (PP)		
L002	Foreman	ml	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	452.80	0.00	0.00	0.00	452.80	452.80	
L020	Unskilled Labor	ml	2.60	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	816.40	0.00	0.00	0.00	816.40	816.40	
M07601	Road Curve Mirror φ600	each	10.00	0.0%	100.0%	0.0%	60.0%	40.0%	11,000.00	0.00	110,000.00	0.00	66,000.00	44,000.00	110,000.00	
M08706	Steel Gas Pipe, φ80	m	39.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	11,466.00	0.00	6,879.60	4,586.40	11,466.00	
M06003	Zinc Rich Primer for Steel	kg	1.27	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	474.98	0.00	308.74	166.24	474.98	
M06021	Phenol Resin Paint for Steel	kg	1.37	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	372.64	0.00	242.22	130.42	372.64	
W0109	Excavation, Manpower	m3	21.56	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	2,845.92	0.00	0.00	0.00	2,845.92	2,845.92	
W0115	Disposal of Surplus Soil (manpower loading)	m3	2.86	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	134.60	31.82	128.16	90.26	204.32	294.58	
W0135	Backfill, Manpower + Compactor	m3	18.70	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	1,115.55	80.71	232.42	178.76	1,249.92	1,428.68	
W0161	Gravel Foundation Fill	m3	0.36	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	34.85	18.35	87.20	54.73	85.67	140.40	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.55	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	105.63	3,313.73	737.14	2,356.49	1,800.01	4,156.50	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	2.50	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	549.02	1.10	9.88	6.04	553.96	560.00	
W0236	Concrete Curing (plain concrete)	m3	2.55	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	16.01	1.97	4.59	3.61	18.96	22.57	
W0240	Formwork (plain concrete <4m)	m2	20.00	58.9%	40.4%	0.8%	2.9%	97.1%	222.00	2,613.37	1,791.81	34.82	130.51	4,309.49	4,440.00	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	618.62	756.09	756.09	618.62	1,374.71	1.0%
Total										8,684.15	128,171.73	1,990.31	77,007.04	61,809.14	138,846.18	
Components (%)										6.3%	92.3%	1.4%	55.5%	44.5%	100.0%	
Unit Rate			each							869.38	12,831.37	199.25	7,709.24	6,190.76	13,900.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

615(2)b		Curve Mirror 2-φ600		Unit: 10.00 each												
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local	Labor	Material	Equipment	Foreign	Local	Total (PP)		
L002	Foreman	ml	1.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	622.60	0.00	0.00	0.00	622.60	622.60	
L020	Unskilled labor	ml	3.70	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	1,161.80	0.00	0.00	0.00	1,161.80	1,161.80	
M07601	Road Curve Mirror φ600	each	20.00	0.0%	100.0%	0.0%	60.0%	40.0%	11,000.00	0.00	220,000.00	0.00	132,000.00	88,000.00	220,000.00	
M08706	Steel Gas Pipe, φ80	m	39.00	0.0%	100.0%	0.0%	60.0%	40.0%	294.00	0.00	11,466.00	0.00	6,879.60	4,586.40	11,466.00	
M06003	Zinc Rich Primer for Steel	kg	1.27	0.0%	100.0%	0.0%	65.0%	35.0%	374.00	0.00	474.98	0.00	308.74	166.24	474.98	
M06021	Phenol Resin Paint for Steel	kg	1.37	0.0%	100.0%	0.0%	65.0%	35.0%	272.00	0.00	372.64	0.00	242.22	130.42	372.64	
W0109	Excavation, Manpower	m3	21.56	100.0%	0.0%	0.0%	0.0%	100.0%	132.00	2,845.92	0.00	0.00	0.00	2,845.92	2,845.92	
W0115	Disposal of Surplus Soil (manpower loading)	m3	2.86	45.7%	10.8%	43.5%	30.6%	69.4%	103.00	134.60	31.82	128.16	90.26	204.32	294.58	
W0135	Backfill, Manpower + Compactor	m3	18.70	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	1,115.55	80.71	232.42	178.76	1,249.92	1,428.68	
W0161	Gravel Foundation Fill	m3	0.36	24.8%	13.1%	62.1%	39.0%	61.0%	390.00	34.85	18.35	87.20	54.73	85.67	140.40	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	2.55	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	105.63	3,313.73	737.14	2,356.49	1,800.01	4,156.50	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	2.50	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	549.02	1.10	9.88	6.04	553.96	560.00	
W0236	Concrete Curing (plain concrete)	m3	2.50	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	15.70	1.93	4.50	3.54	18.59	22.13	
	Miscellaneous	LS	1.00	0.0%	45.0%	55.0%	55.0%	45.0%		0.00	1,095.96	1,339.50	1,339.50	1,095.96	2,435.46	1.0%
Total										6,585.67	236,857.21	2,538.81	143,459.88	102,521.82	245,981.69	
Components (%)										2.7%	96.3%	1.0%	58.3%	41.7%	100.0%	
Unit Rate			each							658.62	23,687.48	253.90	14,347.06	10,252.91	24,600.00	

Miscellaneous covers the cost for fixtures, brushes, minor tools, etc.

615(3)		Dustproof Concrete Paving for Median		Unit: 100.00 m2												
Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local	Labor	Material	Equipment	Foreign	Local	Total (PP)		
W0128	Selected Sand, transported	m3	5.50	12.7%	20.0%	67.2%	43.6%	56.4%	166.00	115.98	183.05	613.98	397.82	615.18	913.00	Loss 10.0%
W0135	Backfill, Manpower + Compactor	m3	5.00	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	298.28	21.58	62.14	47.80	334.20	382.00	
W0202	Concrete (Class B, 17MPa, max agg. 50mm)	m3	7.14	3.0%	75.5%	21.5%	56.1%	43.9%	1,400.00	301.66	7,548.76	2,145.58	5,606.85	4,389.15	9,996.00	Loss 2.0%
W0235	Concrete Pouring by Manpower for small structures	m3	7.00	98.0%	0.2%	1.8%	1.1%	98.9%	224.00	1,537.25	3.07	27.67	16.91	1,551.09	1,568.00	
W0236	Concrete Curing (plain concrete)	m3	7.00	70.9%	8.7%	20.4%	16.0%	84.0%	8.85	43.94	5.40	12.61	9.91	52.04	61.95	
	Miscellaneous	LS	1.00	0.0%	70.0%	30.0%	55.0%	45.0%		0.00	188.89	77.53	142.13	116.29	258.42	2.0%
Total										2,297.10	7,942.76	2,939.51	6,221.42	6,957.95	13,179.37	
Components (%)										17.4%	60.3%	22.3%	47.2%	52.8%	100.0%	
Unit Rate			m2							23.01	79.55	29.44	62.31	69.69	132.00	

Miscellaneous covers the cost for forms, joints, etc.

Sand base thickness = 0.050 m
Concrete pavement thickness = 0.070 m

SPL 620(1)a Traffic Signal Pole Type A (Mast Arm Post H=6.7m)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.61m ³	m ³	5.29	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	9.52	18.17	188.67	114.41	101.95	216.36	
W0111	Disposal of Surplus Soil (backhoe loading)	m ³	1.73	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	13.10	23.74	124.05	82.82	78.07	160.89	
W0133	Backfill C	m ³	3.56	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	58.95	61.07	396.18	255.02	261.18	516.20	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m ³	1.76	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	72.91	2,287.12	598.77	1,628.44	1,242.36	2,868.80	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m ³	1.73	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	69.07	0.87	374.67	200.78	243.83	444.61	
W0237	Concrete Curing (reinforced concrete)	m ³	1.73	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	5.43	0.55	1.29	1.02	6.26	7.28	
W0241	Formwork (reinforced concrete 11x4m)	m ²	5.76	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	764.93	515.19	10.12	37.65	1,252.69	1,290.24	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	144.30	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	510.61	2,589.07	262.51	1,815.41	1,546.78	3,362.19	
L002	Foreman	md	0.23	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	130.18	0.00	0.00	0.00	130.18	130.18	
L019	Skilled Labor	md	0.25	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	100.75	0.00	0.00	0.00	100.75	100.75	
L020	Unskilled Labor	md	0.42	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	131.88	0.00	0.00	0.00	131.88	131.88	
W1101	Traffic Signal Post Type A (Mast Arms) H=6.7m, Furnished	each	1.00	6.8%	68.7%	24.5%	59.6%	40.4%	22,500.00	1,522.66	15,458.17	5,519.17	13,418.32	9,081.68	22,500.00	
R0402-015	Truck Crane, Hydraulic 11-15t	hr	0.97	8.4%	8.3%	83.3%	50.7%	49.3%	879.00	71.62	70.77	710.24	431.88	420.75	852.63	
W1001	Underground Cable Duct	m	20.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	951.55	4,938.77	1,428.68	3,451.57	3,868.43	7,320.00	
	Miscellaneous	LS	1.00	0.0%	60.0%	40.0%	55.0%	45.0%		0.00	478.82	319.22	438.92	359.12	798.04	2.0%
Total										4,413.17	26,443.32	9,843.56	21,874.24	18,825.81	40,700.05	
Components (%)										10.8%	65.0%	24.2%	53.7%	46.3%	100.0%	
Unit Rate			each							4,413.16	26,443.29	9,843.55	21,874.21	18,825.79	40,700.00	

Miscellaneous covers the cost for fixtures, embedment, minor tools, etc.

SPL 620(1)b Traffic Signal Pole Type A (Mast Arm Post H=6.0m)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.61m ³	m ³	5.29	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	9.52	18.17	188.67	114.41	101.95	216.36	
W0111	Disposal of Surplus Soil (backhoe loading)	m ³	1.73	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	13.10	23.74	124.05	82.82	78.07	160.89	
W0133	Backfill C	m ³	3.56	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	58.95	61.07	396.18	255.02	261.18	516.20	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m ³	2.07	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	85.75	2,689.97	598.39	1,912.92	1,461.18	3,374.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m ³	2.03	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	81.05	1.02	439.64	235.60	286.11	521.71	
W0237	Concrete Curing (reinforced concrete)	m ³	2.03	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	6.38	0.65	1.52	1.19	7.36	8.55	
W0241	Formwork (reinforced concrete 11x4m)	m ²	7.46	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	990.69	667.24	13.11	48.76	1,622.28	1,671.04	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	224.40	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	794.05	4,026.24	408.23	2,823.14	2,405.38	5,228.52	
L002	Foreman	md	0.23	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	130.18	0.00	0.00	0.00	130.18	130.18	
L019	Skilled Labor	md	0.25	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	100.75	0.00	0.00	0.00	100.75	100.75	
L020	Unskilled Labor	md	0.42	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	131.88	0.00	0.00	0.00	131.88	131.88	
W1102	Traffic Signal Post Type A (Mast Arms) H=6.0m, Furnished	each	1.00	7.1%	67.9%	25.0%	59.3%	40.7%	21,400.00	1,511.51	14,530.17	5,358.33	12,695.28	8,704.72	21,400.00	
R0402-015	Truck Crane, Hydraulic 11-15t	hr	0.97	8.4%	8.3%	83.3%	50.7%	49.3%	879.00	71.62	70.77	710.24	431.88	420.75	852.63	
W1001	Underground Cable Duct	m	20.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	951.55	4,938.77	1,428.68	3,451.57	3,868.43	7,320.00	
	Miscellaneous	LS	1.00	0.0%	60.0%	40.0%	55.0%	45.0%		0.00	499.59	333.06	457.96	374.70	832.66	2.0%
Total										4,936.98	27,528.40	10,008.89	22,510.55	19,954.91	42,465.47	
Components (%)										11.6%	64.8%	23.5%	53.0%	47.0%	100.0%	
Unit Rate			each							4,940.99	27,550.79	10,008.22	22,528.86	19,971.14	42,500.00	

Miscellaneous covers the cost for fixtures, embedment, minor tools, etc.

SPL 620(i)c Traffic Signal Pole Type B (φ 114.3mm x 4.2m)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			Local
W0105	Excavation, Backhoe 0.61m ³	m ³	3.47	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	6.24	11.92	123.75	75.05	66.87	141.92	
W0111	Disposal of Surplus Soil (backhoe loading)	m ³	0.70	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	5.30	9.60	50.19	33.51	31.59	65.10	
W0133	Backfill C	m ³	2.77	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	45.87	47.52	308.26	198.42	203.23	401.65	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m ³	0.71	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	29.41	922.65	205.24	656.12	501.18	1,157.30	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m ³	0.70	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	27.95	0.35	151.60	81.24	98.66	179.90	
W0237	Concrete Curing (reinforced concrete)	m ³	0.70	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.20	0.22	0.52	0.41	2.54	2.95	
W0241	Formwork (reinforced concrete 114m)	m ²	3.52	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	467.46	314.84	6.18	23.01	765.47	788.48	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	34.20	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	121.02	613.63	62.22	430.26	366.60	796.86	
L002	Foreman	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	96.22	0.00	0.00	0.00	96.22	96.22	
L019	Skilled Labor	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	76.57	0.00	0.00	0.00	76.57	76.57	
L020	Unskilled Labor	md	0.33	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	103.62	0.00	0.00	0.00	103.62	103.62	
W1103	Traffic Signal Posts Type B φ 114.3mm x 4.2m, Furnished	each	1.00	12.2%	52.9%	34.9%	53.7%	46.3%	9,440.00	1,148.94	4,991.96	3,299.10	5,066.68	4,373.32	9,440.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	0.74	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	54.55	33.38	270.97	168.83	190.07	358.90	
W1001	Underground Cable Duct	m	20.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	951.55	4,939.77	1,428.68	3,451.57	3,868.43	7,320.00	
	Miscellaneous	LS	1.00	0.0%	60.0%	40.0%	55.0%	45.0%		0.00	251.15	167.44	230.22	188.37	418.59	2.0%
Total										3,136.90	12,136.99	6,074.17	10,415.33	10,932.72	21,348.06	
Components (%)										14.7%	56.9%	28.5%	48.8%	51.2%	100.0%	
Unit Rate			each							3,129.84	12,109.67	6,060.49	10,391.89	10,908.11	21,300.00	

Miscellaneous covers the cost for fixtures, embedment, minor tools, etc.

SPL 620(i)d Traffic Signal Pole Type C (φ 114.3mm x 3.4m)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Labor	Material	Component (PP)		Total (PP)		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			Local
W0105	Excavation, Backhoe 0.61m ³	m ³	3.18	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	5.72	10.93	113.41	68.77	61.29	130.06	
W0111	Disposal of Surplus Soil (backhoe loading)	m ³	0.70	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	5.30	9.60	50.19	33.51	31.59	65.10	
W0133	Backfill C	m ³	2.48	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	41.07	42.55	275.99	177.65	181.95	359.60	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m ³	0.99	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	41.01	1,286.51	286.18	914.87	698.83	1,613.70	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m ³	0.97	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	38.73	0.49	210.07	112.58	136.71	249.29	
W0237	Concrete Curing (reinforced concrete)	m ³	0.97	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.04	0.31	0.72	0.57	3.51	4.08	
W0241	Formwork (reinforced concrete 114m)	m ²	5.13	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	681.27	458.84	9.01	33.53	1,115.59	1,149.12	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	39.10	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	138.36	701.54	71.13	491.91	419.12	911.03	
L002	Foreman	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	96.22	0.00	0.00	0.00	96.22	96.22	
L019	Skilled Labor	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	76.57	0.00	0.00	0.00	76.57	76.57	
L020	Unskilled Labor	md	0.33	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	103.62	0.00	0.00	0.00	103.62	103.62	
W1104	Traffic Signal Posts Type C φ 114.3mm x 3.4m, Furnished	each	1.00	12.6%	51.7%	35.7%	53.2%	46.8%	9,080.00	1,145.04	4,693.88	3,241.07	4,831.08	4,248.92	9,080.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	0.74	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	54.55	33.38	270.97	168.83	190.07	358.90	
W1001	Underground Cable Duct	m	20.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	951.55	4,939.77	1,428.68	3,451.57	3,868.43	7,320.00	
	Miscellaneous	LS	1.00	0.0%	60.0%	40.0%	55.0%	45.0%		0.00	258.21	172.14	236.69	193.66	430.35	2.0%
Total										3,382.05	12,436.00	6,129.58	10,521.57	11,428.06	21,947.64	
Components (%)										15.4%	56.7%	27.9%	47.9%	52.1%	100.0%	
Unit Rate			each							3,374.71	12,409.01	6,116.28	10,498.74	11,401.26	21,900.00	

Miscellaneous covers the cost for fixtures, embedment, minor tools, etc.

SPL 620(1)e Traffic Signal Pole Type D (φ114.3mm x 3.0m)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.61m ³	m ³	2.03	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	3.65	6.97	72.40	43.91	39.12	83.03	
W0111	Disposal of Surplus Soil (backhoe loading)	m ³	0.29	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	2.20	3.98	20.79	13.88	13.09	26.97	
W0133	Backfill C	m ³	1.74	11.4%	11.8%	76.7%	49.4%	50.6%	145.00	28.81	29.85	193.64	124.64	127.66	252.30	
W0203	Concrete (Class A, 21MPa, max agg. 39mm)	m ³	0.30	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	12.43	389.85	86.72	277.23	211.77	489.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m ³	0.29	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	11.58	0.15	62.81	33.66	40.87	74.53	
W0237	Concrete Curing (reinforced concrete)	m ³	0.29	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	0.91	0.09	0.22	0.17	1.05	1.22	
W0241	Formwork (reinforced concrete 1K4m)	m ²	1.92	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	254.98	171.73	3.37	12.55	417.53	430.08	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	27.40	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	96.96	491.62	49.85	344.71	293.71	638.42	
L002	Foreman	md	0.17	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	96.22	0.00	0.00	0.00	96.22	96.22	
L019	Skilled Labor	md	0.19	100.0%	0.0%	0.0%	0.0%	100.0%	403.00	76.57	0.00	0.00	0.00	76.57	76.57	
L020	Unskilled Labor	md	0.33	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	103.62	0.00	0.00	0.00	103.62	103.62	
W1105	Pedestrian Signal Posts Type D φ114.3mm x 3.0m, Furnished	each	1.00	12.8%	51.0%	36.1%	53.0%	47.0%	8,920.00	1,144.68	4,553.08	3,222.24	4,724.20	4,195.80	8,920.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	0.74	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	54.55	33.38	270.97	168.83	190.07	358.90	
W1001	Underground Cable Duct	m	20.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	951.55	4,939.77	1,428.68	3,451.57	3,868.43	7,320.00	
	Miscellaneous	LS	1.00	0.0%	60.0%	40.0%	55.0%	45.0%			226.45	150.97	207.58	169.84	377.42	2.0%
	Total									2,838.71	10,846.91	5,562.66	9,402.94	9,845.33	19,248.28	
	Components (%)									14.7%	56.4%	28.9%	48.9%	51.1%	100.0%	
	Unit Rate	each								2,831.59	10,819.71	5,548.70	9,379.36	9,820.64	19,200.00	

Miscellaneous covers the cost for fixtures, embedment, minor tools, etc.

SPL 620(2)a Traffic Signal Lamps Type A (6 vehicle lamps)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.12	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	67.92	0.00	0.00	0.00	67.92	67.92	
L012	Electrician	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	63.15	0.00	0.00	0.00	63.15	63.15	
L020	Unskilled Labor	md	0.25	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	78.50	0.00	0.00	0.00	78.50	78.50	
W07273	Traffic Signal Lights (6 lamps)	set	1.00	0.0%	100.0%	0.0%	55.0%	45.0%	186,000.00	0.00	186,000.00	0.00	102,300.00	83,700.00	186,000.00	
R0402-015	Truck Crane, Hydraulic 11-15t	hr	0.80	8.4%	8.3%	83.3%	50.7%	49.3%	879.00	59.07	58.37	585.77	356.19	347.01	703.20	
Q0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
	Miscellaneous	LS	1.00	30.0%	30.0%	40.0%	50.0%	50.0%		1,692.30	1,692.30	2,256.41	2,820.51	2,820.51	5,641.01	3.0%
	Total									2,037.25	187,784.14	3,853.39	106,083.72	87,591.06	193,674.78	
	Components (%)									1.1%	97.0%	2.0%	54.8%	45.2%	100.0%	
	Unit Rate	each								2,040.67	188,099.47	3,859.86	106,261.85	87,738.15	194,000.00	

Miscellaneous covers the costs for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(2)b Traffic Signal Lamps Type B (3 vehicle lamps)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.12	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	67.92	0.00	0.00	0.00	67.92	67.92	
L012	Electrician	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	63.15	0.00	0.00	0.00	63.15	63.15	
L020	Unskilled Labor	md	0.25	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	78.50	0.00	0.00	0.00	78.50	78.50	
W07272	Traffic Signal Lights (3 lamps)	set	1.00	0.0%	100.0%	0.0%	55.0%	45.0%	99,900.00	0.00	99,900.00	0.00	54,945.00	44,955.00	99,900.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	0.80	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	58.98	36.08	292.94	182.52	205.48	388.00	
Q0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
	Miscellaneous	LS	1.00	30.0%	30.0%	40.0%	50.0%	50.0%		914.57	914.57	1,219.42	1,524.28	1,524.28	3,048.56	3.0%
	Total									1,259.42	100,884.13	2,523.58	57,258.82	47,409.31	104,667.13	
	Components (%)									1.2%	96.4%	2.4%	54.7%	45.3%	100.0%	
	Unit Rate	each								1,263.43	101,204.97	2,531.60	57,440.92	47,559.08	105,000.00	

Miscellaneous covers the costs for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(2)c Traffic Signal Lamps Typo C (2 pedestrian lamps)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.12	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	67.92	0.00	0.00	0.00	67.92	67.92	
L012	Electrician	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	63.15	0.00	0.00	0.00	63.15	63.15	
L020	Unskilled Labor	md	0.25	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	78.50	0.00	0.00	0.00	78.50	78.50	
M07271	Pedestrian Signal Lights (2 lamps)	set	1.00	0.0%	100.0%	0.0%	55.0%	45.0%	47,400.00	0.00	47,400.00	0.00	26,070.00	21,330.00	47,400.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	0.80	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	58.98	36.08	292.94	182.52	205.48	388.00	
Q0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
	Miscellaneous	LS	1.00	30.0%	30.0%	40.0%	50.0%	50.0%		442.07	442.07	589.42	736.78	736.78	1,473.56	3.0%
Total										786.92	47,911.63	1,893.58	27,596.32	22,995.81	50,592.13	
Components (%)										1.6%	94.7%	3.7%	54.5%	45.5%	100.0%	
Unit Rate			each							787.04	47,919.08	1,893.87	27,600.61	22,999.39	50,600.00	

Miscellaneous covers the costs for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(4)a Street Lighting Poles (single lamp)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.6m3	m3	4.33	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	7.79	14.88	154.43	93.65	83.45	177.10	
W0111	Disposal of Surplus Soil (backhoe loading)	m3	0.53	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	4.01	7.27	38.00	25.37	23.92	49.29	
W0135	Backfill, Manpower + Compactor	m3	3.80	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	226.69	16.40	47.23	36.32	254.00	290.32	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.70	2.6%	79.7%	17.7%	56.7%	43.3%	1,630.00	29.00	909.65	202.35	646.88	494.12	1,141.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.69	15.6%	0.2%	84.3%	45.2%	54.8%	257.00	27.55	0.35	149.43	80.08	97.25	177.33	
W0237	Concrete Curing (reinforced concrete)	m3	0.69	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.16	0.22	0.52	0.40	2.50	2.90	
W0241	Formwork (reinforced concrete 1K4m)	m2	4.35	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	577.68	389.07	7.64	28.43	945.97	974.40	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	95.60	16.2%	77.0%	7.8%	54.0%	46.0%	23.30	338.28	1,715.28	173.92	1,202.73	1,024.75	2,227.48	
L002	Foreman	md	0.29	100.0%	0.0%	0.0%	0.0%	100.0%	566.80	164.14	0.00	0.00	0.00	164.14	164.14	
L012	Electrician	md	0.34	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	143.14	0.00	0.00	0.00	143.14	143.14	
L020	Unskilled Labor	md	0.53	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	182.12	0.00	0.00	0.00	182.12	182.12	
M13001	Street Lighting Fixture (110~400W)	each	1.00	0.0%	100.0%	0.0%	60.0%	40.0%	7,920.00	0.00	7,920.00	0.00	4,752.00	3,168.00	7,920.00	
M13011	Street Lighting Stabilizer	each	1.00	0.0%	100.0%	0.0%	65.0%	35.0%	2,600.00	0.00	2,600.00	0.00	1,690.00	910.00	2,600.00	
M13021	Street Lighting Lamp	each	1.00	0.0%	100.0%	0.0%	60.0%	40.0%	1,320.00	0.00	1,320.00	0.00	792.00	528.00	1,320.00	
W1201	Street Lighting Pole (single lamp), furnished	each	1.00	10.4%	60.1%	29.6%	56.5%	43.5%	16,700.00	1,728.88	10,029.42	4,941.70	9,442.19	7,257.81	16,700.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	1.54	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	113.53	69.46	563.91	351.35	395.55	746.90	
Q0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
W1001	Underground Cable Duct	m	30.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	1,427.32	7,409.65	2,143.02	5,177.36	6,802.64	10,980.00	
	Miscellaneous	LS	1.00	5.0%	60.0%	35.0%	50.0%	50.0%		70.38	844.51	492.63	703.76	703.76	1,407.51	3.0%
Total										5,118.99	33,279.64	9,926.01	25,629.55	22,695.08	48,324.63	
Components (%)										10.6%	68.9%	20.5%	53.0%	47.0%	100.0%	
Unit Rate			each							5,116.38	33,262.67	9,920.95	25,616.49	22,683.51	48,300.00	

Miscellaneous covers the cost for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(4)b Street Lighting Poles (double lamp)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.61m3	m3	4.33	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	7.79	14.88	154.43	93.65	83.45	177.10		
W0111	Disposal of Surplus Soil (backhoe Loading)	m3	0.53	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	4.01	7.27	38.00	25.37	23.92	49.29		
W0135	Backfill, Manpower + Compactor	m3	3.80	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	226.69	16.40	47.23	36.32	254.00	290.32		
W0203	Concrete (Class A, 21MPa, max agg. 39mm)	m3	0.70	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	29.00	909.65	202.35	646.88	494.12	1,141.00	Loss 2.0%	
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.69	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	27.55	0.35	149.43	80.08	97.25	177.33		
W0237	Concrete Curing (reinforced concrete)	m3	0.69	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.16	0.22	0.52	0.40	2.50	2.90		
W0241	Formwork (reinforced concrete 1K4m)	m2	4.35	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	577.68	389.07	7.64	28.43	945.97	974.40		
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	95.60	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	338.28	1,715.28	173.92	1,202.73	1,024.75	2,227.48		
L002	Foreman	md	0.41	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	232.06	0.00	0.00	0.00	232.06	232.06		
L012	Electrician	md	0.49	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	206.29	0.00	0.00	0.00	206.29	206.29		
L020	Unskilled Labor	md	0.83	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	260.62	0.00	0.00	0.00	260.62	260.62		
M13001	Street Lighting Fixture (110~400W)	each	2.00	0.0%	100.0%	0.0%	60.0%	40.0%	7,920.00	0.00	15,840.00	0.00	9,504.00	6,336.00	15,840.00		
M13011	Street Lighting Stabilizer	each	1.00	0.0%	100.0%	0.0%	65.0%	35.0%	2,600.00	0.00	2,600.00	0.00	1,690.00	910.00	2,600.00		
M13021	Street Lighting Lamp	each	2.00	0.0%	100.0%	0.0%	60.0%	40.0%	1,320.00	0.00	2,640.00	0.00	1,584.00	1,056.00	2,640.00		
W1202	Street Lighting Pole (double lamp), furnished	each	1.00	10.1%	60.8%	29.1%	56.8%	43.2%	17,300.00	1,745.95	10,513.32	5,040.73	9,829.47	7,470.53	17,300.00		
R0402-010	Truck Crane, Hydraulic 6-10t	hr	2.34	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	172.50	105.55	856.85	533.87	601.03	1,134.90		
Q0405-013	Lift Car, 12~13m	hr	1.89	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	151.81	66.60	2,011.79	1,207.65	1,022.55	2,230.20		
W1001	Underground Cable Duct	m	30.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	1,427.32	7,409.65	2,143.02	5,177.36	5,802.64	10,980.00		
	Miscellaneous	LS	1.00	5.0%	60.0%	35.0%	50.0%	50.0%		87.70	1,052.35	613.87	876.96	1,753.92	1,753.92	3.0%	
Total										5,497.43	43,280.59	11,439.79	32,517.18	27,700.63	60,217.81		
Components (%)										9.1%	71.9%	19.0%	54.0%	46.0%	109.8%		
Unit Rate			each							5,495.80	43,267.79	11,436.41	32,507.56	27,692.44	60,200.00		

Miscellaneous covers the cost for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(4)c Bridge Lighting Poles (single lamp)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate						Total (PP)	Amount						Remarks
				Component (%)					Total (PP)		Component (PP)					Total (PP)	
				Lab.	Mat.	Equip.	For.	Local			Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	0.29	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	164.14	0.00	0.00	0.00	164.14	164.14		
L012	Electrician	md	0.34	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	143.14	0.00	0.00	0.00	143.14	143.14		
L020	Unskilled Labor	md	0.58	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	182.12	0.00	0.00	0.00	182.12	182.12		
M13001	Street Lighting Fixture (110~400W)	each	1.00	0.0%	100.0%	0.0%	60.0%	40.0%	7,920.00	0.00	7,920.00	0.00	4,752.00	3,168.00	7,920.00		
M13011	Street Lighting Stabilizer	each	1.00	0.0%	100.0%	0.0%	65.0%	35.0%	2,600.00	0.00	2,600.00	0.00	1,690.00	910.00	2,600.00		
M13021	Street Lighting Lamp	each	1.00	0.0%	100.0%	0.0%	60.0%	40.0%	1,320.00	0.00	1,320.00	0.00	792.00	528.00	1,320.00		
W1201	Street Lighting Pole (single lamp), furnished	each	1.00	10.4%	60.1%	29.6%	56.5%	43.5%	16,700.00	1,728.86	10,029.42	4,941.70	9,442.19	7,257.81	16,700.00		
R0402-005	Truck Crane, Hydraulic 2-5t	hr	1.54	17.9%	10.9%	71.2%	45.7%	54.3%	412.00	113.57	69.16	451.75	290.09	344.39	634.48		
Q0405-009	Lift Car, 8~9m	hr	0.95	9.7%	4.0%	86.4%	52.6%	47.4%	826.00	76.02	31.05	677.63	412.37	372.33	784.70		
W1011	Electric Cable Laying	m	30.00	21.8%	76.3%	1.9%	42.8%	57.2%	63.80	548.61	1,917.04	48.35	1,076.13	1,437.87	2,514.00		
	Miscellaneous	LS	1.00	5.0%	60.0%	35.0%	50.0%	50.0%		49.44	593.33	346.11	494.44	988.88	988.88	3.0%	
Total										3,005.93	24,480.00	6,465.53	18,949.22	15,002.23	33,951.46		
Components (%)										8.9%	72.1%	19.0%	55.8%	44.2%	100.0%		
Unit Rate			each							3,010.22	24,515.00	6,474.78	18,976.32	15,023.68	34,000.00		

Miscellaneous covers the cost for fixing materials, ancillary devices, cable connection, power reception, testing, etc.

SPL 620(4)d Street Lighting Service Pole with Panel

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount						Remarks
				Component (%)						Labor	Material	Component (PP)			Total (PP)	
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
W0105	Excavation, Backhoe 0.61m3	m3	8.82	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	15.87	30.30	314.57	190.75	169.99	366.74	
W0111	Disposal of Surplus Soil (backhoe loading)	m3	0.59	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	4.47	8.09	42.31	28.24	26.63	54.87	
W0135	Backfill, Manpower + Compactor	m3	8.23	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	490.96	35.52	102.29	78.67	550.10	628.77	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	1.17	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	48.47	1,520.42	338.22	1,081.21	825.89	1,907.10	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	1.15	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	45.91	0.58	249.06	133.47	162.08	295.55	
W0237	Concrete Curing (reinforced concrete)	m3	1.15	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	3.61	0.37	0.86	0.68	4.16	4.84	
W0241	Formwork (reinforced concrete 1K4m)	m2	10.92	59.3%	39.9%	0.8%	2.9%	87.1%	224.00	1,450.18	976.71	19.18	71.38	2,374.70	2,446.08	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	75.80	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	268.22	1,360.02	137.90	953.63	812.51	1,766.14	
L002	Foreman	md	0.12	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	67.92	0.00	0.00	0.00	67.92	67.92	
L012	Electrician	md	0.15	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	63.15	0.00	0.00	0.00	63.15	63.15	
L020	Unskilled Labor	md	0.25	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	78.50	0.00	0.00	0.00	78.50	78.50	
M13061	Lighting Panel for Street Lights	each	1.00	0.0%	100.0%	0.0%	55.0%	45.0%	20,300.00	0.00	20,300.00	0.00	11,165.00	9,135.00	20,300.00	
M13160	Electric Service Meter	each	1.00	0.0%	100.0%	0.0%	65.0%	35.0%	3,610.00	0.00	3,610.00	0.00	2,346.50	1,263.50	3,610.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	0.80	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	68.98	36.08	292.94	182.52	205.48	388.00	
R0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.8%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
M13051	Electric Cable	m	60.00	0.0%	100.0%	0.0%	55.0%	45.0%	62.30	0.00	3,738.00	0.00	2,055.90	1,682.10	3,738.00	
W1001	Underground Cable Duct	m	30.00	13.0%	67.5%	19.5%	47.2%	52.8%	366.00	1,427.32	7,409.65	2,143.02	5,177.36	5,802.64	10,980.00	
	Miscellaneous	LS	1.00	5.0%	50.0%	45.0%	50.0%	50.0%		71.72	717.16	645.44	717.16	717.16	1,434.32	3.0%
Total										4,171.60	39,776.38	5,297.00	24,789.49	24,455.49	49,244.98	
Components (%)										8.5%	80.8%	10.8%	50.3%	49.7%	100.0%	
Unit Rate			each							4,167.79	39,740.05	5,292.16	24,766.85	24,433.15	49,200.00	

Miscellaneous covers the cost for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(4)e Fluorescent Lighting for Underpass Culvert

Unit: 10.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount						Remarks
				Component (%)						Labor	Material	Component (PP)			Total (PP)	
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign	Local		
L002	Foreman	md	0.10	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	56.60	0.00	0.00	0.00	56.60	56.60	
L012	Electrician	md	0.80	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	336.80	0.00	0.00	0.00	336.80	336.80	
L020	Unskilled Labor	md	0.30	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	94.20	0.00	0.00	0.00	94.20	94.20	
M13131	Ceiling Lamp, 40W 220V Fluorescent Lighting Fixtures, Box Type	each	10.00	0.0%	100.0%	0.0%	60.0%	40.0%	496.00	0.00	4,960.00	0.00	2,976.00	1,984.00	4,960.00	
M13151	One-way Wall Switch	each	2.00	0.0%	100.0%	0.0%	55.0%	45.0%	30.50	0.00	61.00	0.00	33.55	27.45	61.00	
M13051	Electric Cable	m	54.00	0.0%	100.0%	0.0%	55.0%	45.0%	62.30	0.00	3,364.20	0.00	1,850.31	1,513.89	3,364.20	
	Miscellaneous	LS	1.00	8.0%	45.0%	47.0%	40.0%	60.0%		28.39	159.71	166.81	141.96	212.95	354.91	4.0%
Total										515.99	8,544.91	166.81	5,001.82	4,225.89	9,227.71	
Components (%)										5.6%	92.6%	1.8%	54.2%	45.8%	100.0%	
Unit Rate			each							51.61	854.70	16.69	500.31	422.69	923.00	

Miscellaneous covers the cost for minor tools, ancillary devices, power reception, testing, etc.

SPL 620(5)a Relocation of Street Lighting Poles (Single Lamp)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Local		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0013	Demolition by Pneumatic Handhold Breaker (lightly Reinforced Structures)	m3	0.69	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	168.04	90.24	357.20	251.92	363.56	615.48	
W0025	Disposal of Demolished Debris	m3	0.69	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	15.36	12.18	66.99	44.31	50.22	94.53	
W0105	Excavation, Backhoe 0.61m3	m3	4.33	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	7.79	14.88	154.43	93.65	83.45	177.10	
W0111	Disposal of Surplus Soil (backhoe loading)	m3	0.53	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	4.01	7.27	38.00	25.37	23.92	49.29	
W0135	Backfill, Manpower + Compactor	m3	3.80	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	226.69	16.40	47.23	36.32	254.00	290.32	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.70	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	29.00	909.65	202.35	646.88	494.12	1,141.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.69	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	27.55	0.35	149.43	80.08	97.25	177.33	
W0237	Concrete Curing (reinforced concrete)	m3	0.69	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.16	0.22	0.52	0.40	2.50	2.90	
W0241	Formwork (reinforced concrete H<4m)	m2	4.35	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	577.68	389.07	7.64	28.43	945.97	974.40	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	95.60	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	338.28	1,715.28	173.92	1,202.73	1,024.75	2,227.48	
L002	Foreman	md	0.38	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	215.08	0.00	0.00	0.00	215.08	215.08	
L012	Electrician	md	0.44	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	185.24	0.00	0.00	0.00	185.24	185.24	
L020	Unskilled Labor	md	0.75	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	235.50	0.00	0.00	0.00	235.50	235.50	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	1.91	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	140.81	86.15	699.39	435.76	490.59	926.35	
Q0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
M13051	Electric Cable	m	30.00	0.0%	100.0%	0.0%	55.0%	45.0%	62.30	0.00	1,869.00	0.00	1,027.95	841.05	1,869.00	
	Miscellaneous	LS	1.00	10.0%	45.0%	45.0%	50.0%	50.0%		61.81	278.15	278.15	309.06	309.06	618.12	6.0%
	Total									2,311.32	5,422.33	3,186.47	4,789.89	6,130.23	10,920.12	
	Components (%)									21.2%	49.7%	29.2%	43.9%	56.1%	100.0%	
	Unit Rate	each								2,307.06	5,412.34	3,180.60	4,781.07	6,118.93	10,906.00	

Miscellaneous covers the cost for ancillary devices, cable connection, power reception, testing, etc.

SPL 620(5)b Relocation of Street Lighting Poles (Dual Lamp)

Unit: 1.00 each

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Labor	Material	Component (PP)		Local		
				Lab.	Mat.	Equip.	For.	Local				Equipment	Foreign			
W0013	Demolition by Pneumatic Handhold Breaker (lightly Reinforced Structures)	m3	0.69	27.3%	14.7%	58.0%	40.9%	59.1%	892.00	168.04	90.24	357.20	251.92	363.56	615.48	
W0025	Disposal of Demolished Debris	m3	0.69	16.2%	12.9%	70.9%	46.9%	53.1%	137.00	15.36	12.18	66.99	44.31	50.22	94.53	
W0105	Excavation, Backhoe 0.61m3	m3	4.33	4.4%	8.4%	87.2%	52.9%	47.1%	40.90	7.79	14.88	154.43	93.65	83.45	177.10	
W0111	Disposal of Surplus Soil (backhoe loading)	m3	0.53	8.1%	14.8%	77.1%	51.5%	48.5%	93.00	4.01	7.27	38.00	25.37	23.92	49.29	
W0135	Backfill, Manpower + Compactor	m3	3.80	78.1%	5.6%	16.3%	12.5%	87.5%	76.40	226.69	16.40	47.23	36.32	254.00	290.32	
W0203	Concrete (Class A, 21MPa, max agg. 38mm)	m3	0.70	2.5%	79.7%	17.7%	56.7%	43.3%	1,630.00	29.00	909.65	202.35	646.88	494.12	1,141.00	Loss 2.0%
W0232	Concrete Pouring by Pump Vehicle (reinforced concrete)	m3	0.69	15.5%	0.2%	84.3%	45.2%	54.8%	257.00	27.55	0.35	149.43	80.08	97.25	177.33	
W0237	Concrete Curing (reinforced concrete)	m3	0.69	74.6%	7.6%	17.8%	14.0%	86.0%	4.21	2.16	0.22	0.52	0.40	2.50	2.90	
W0241	Formwork (reinforced concrete H<4m)	m2	4.35	59.3%	39.9%	0.8%	2.9%	97.1%	224.00	577.68	389.07	7.64	28.43	945.97	974.40	
W0251	Reinforcement Grade 40, cutting, bending & assembly	kg	95.60	15.2%	77.0%	7.8%	54.0%	46.0%	23.30	338.28	1,715.28	173.92	1,202.73	1,024.75	2,227.48	
L002	Foreman	md	0.50	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	283.00	0.00	0.00	0.00	283.00	283.00	
L012	Electrician	md	0.59	100.0%	0.0%	0.0%	0.0%	100.0%	421.00	248.39	0.00	0.00	0.00	248.39	248.39	
L020	Unskilled Labor	md	1.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	314.00	0.00	0.00	0.00	314.00	314.00	
R0402-010	Truck Crane, Hydraulic 6-10t	hr	1.91	15.2%	9.3%	75.5%	47.0%	53.0%	485.00	140.81	86.15	699.39	435.76	490.59	926.35	
Q0405-013	Lift Car, 12~13m	hr	0.95	6.8%	3.0%	90.2%	54.1%	45.9%	1,180.00	76.31	33.48	1,011.22	607.02	513.98	1,121.00	
M13051	Electric Cable	m	30.00	0.0%	100.0%	0.0%	55.0%	45.0%	62.30	0.00	1,869.00	0.00	1,027.95	841.05	1,869.00	
	Miscellaneous	LS	1.00	10.0%	45.0%	45.0%	50.0%	50.0%		63.07	283.81	283.81	315.35	315.35	630.69	6.0%
	Total									2,522.14	5,427.99	3,192.13	4,796.18	6,346.08	11,142.26	
	Components (%)									22.6%	48.7%	28.6%	43.0%	57.0%	100.0%	
	Unit Rate	each								2,512.58	5,407.40	3,180.03	4,777.99	6,322.01	11,100.00	

Miscellaneous covers the cost for ancillary devices, cable connection, power reception, testing, etc.

SPL 820(6) Toll Gate Facilities

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W3401	Toll Gate Canopy Structure with Catwalk & Stairways	m2	978.10	7.0%	50.0%	43.0%	55.0%	45.0%	3,310.00	226,825.77	1,618,755.50	1,392,129.73	1,780,631.05	1,456,879.95	3,237,511.00	
W3402	Toll Islands with barriers, cable duct & trench, protection gate, etc.	m2	657.00	12.0%	44.0%	44.0%	45.0%	55.0%	980.00	77,263.20	283,298.40	283,298.40	289,737.00	354,123.00	643,860.00	
W3403	Administration Building with fixtures, equipment and furniture	m2	494.60	10.0%	50.0%	40.0%	50.0%	50.0%	6,960.00	344,241.60	1,721,208.00	1,376,966.40	1,721,208.00	1,721,208.00	3,442,416.00	
W3404	Electrical Service Center with fixtures, generator, and equipment	m2	46.38	10.0%	54.0%	36.0%	50.0%	50.0%	5,660.00	26,248.25	141,740.55	94,493.70	131,241.25	131,241.25	262,482.50	
W3405	Mini Building with fixtures	m2	33.25	10.0%	54.0%	36.0%	50.0%	50.0%	5,220.00	17,356.50	93,725.10	62,483.40	86,782.50	86,782.50	173,565.00	
W3406	Water Tank System (deep well with elevated tank)	L.S.	1.00	9.0%	54.0%	37.0%	55.0%	45.0%	380,000.00	34,200.00	205,200.00	140,600.00	209,000.00	171,000.00	380,000.00	
W3407	Toll Operation Equipment	L.S.	1.00	6.0%	75.0%	19.0%	80.0%	20.0%	78,400,000.00	4,704,000.00	58,800,000.00	14,886,000.00	62,720,000.00	15,680,000.00	78,400,000.00	
	Miscellaneous	L.S.	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
Total										5,429,935.32	62,863,927.55	18,245,971.63	66,938,599.80	19,601,234.70	86,539,834.50	
Components (%)										6.3%	72.6%	21.1%	77.4%	22.6%	100.0%	
Unit Rate		L.S.								5,427,435.91	62,834,991.13	18,237,572.96	66,907,787.80	19,592,212.20	86,500,000.00	

Part X Mobilization and Demobilization

SPL 800 Mobilization and Demobilization

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W2001	Heavy Equipment Assembly & Disassembly	L.S.	1.00	24.9%	8.0%	87.1%	41.5%	58.5%	86,600.00	21,525.16	5,967.08	58,107.76	35,963.26	50,636.74	86,600.00	
W2002	Transportation of Disassembled Equipment	L.S.	1.00	4.4%	10.3%	85.3%	53.0%	47.0%	310,000.00	13,568.94	31,858.94	264,572.11	164,407.53	145,592.47	310,000.00	
W2003	Other Equipment & Material Haulage	L.S.	1.00	9.0%	15.4%	75.6%	51.1%	48.9%	195,000.00	17,542.57	30,070.06	147,387.37	99,559.90	95,440.10	195,000.00	
W2004	Establishment of Temporary Site Office & Yard	L.S.	1.00	10.0%	50.0%	40.0%	45.0%	55.0%	1,500,000.00	150,000.00	750,000.00	600,000.00	675,000.00	825,000.00	1,500,000.00	
	Miscellaneous	L.S.	1.00	10.0%	48.0%	42.0%	50.0%	50.0%		62,748.00	301,190.40	263,541.60	313,740.00	313,740.00	627,480.00	30.0%
Total										265,384.68	1,120,086.48	1,333,608.84	1,288,670.69	1,430,409.31	2,719,080.00	
Components (%)										9.8%	41.2%	49.0%	47.4%	52.6%	100.0%	
Unit Rate		L.S.								265,474.47	1,120,465.46	1,334,060.07	1,288,106.71	1,430,893.29	2,720,000.00	

Miscellaneous covers the cost for maintenance works, common temporary works, etc.

Part X Provisional Sum

SPL 900(1) Provisional Sum for Traffic Management during Construction

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
L002	Foreman	md	63.00	100.0%	0.0%	0.0%	0.0%	100.0%	566.00	35,658.00	0.00	0.00	0.00	35,658.00	35,658.00	
L020	Unskilled Labor	md	1,680.00	100.0%	0.0%	0.0%	0.0%	100.0%	314.00	527,520.00	0.00	0.00	0.00	527,520.00	527,520.00	
R0603-002	Pick-up truck 2.2t	hr	938.70	14.0%	10.9%	75.1%	47.8%	52.2%	589.00	77,405.20	60,265.48	415,223.62	264,516.84	288,377.46	552,894.30	
	Miscellaneous	L.S.	1.00	0.0%	45.0%	55.0%	50.0%	50.0%		0.00	10,044.65	12,276.80	11,160.72	11,160.72	22,321.45	2.0%
Total										640,583.20	70,310.13	427,500.41	275,677.56	862,716.18	1,135,393.75	
Components (%)										66.3%	6.2%	37.6%	24.2%	75.8%	100.0%	
Unit Rate		L.S.								641,487.05	70,409.34	428,103.61	276,066.54	863,933.46	1,140,000.00	

Miscellaneous covers the costs for traffic cones, barriers, signs, minor tools, etc.

Number of locations = 14

Average Period per location = 30 days

SPL 900(2) Provisional Sum for Relocation of Existing Utilities

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Remarks	
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W3501	Relocation of Existing Lighting Poles	each	13.00	26.9%	22.6%	50.5%	39.0%	61.0%	6,700.00	23,429.09	19,649.88	44,021.02	33,984.45	53,115.55	87,100.00	
W3502	Relocation of Underground Conduit	m	657.00	18.0%	24.7%	57.3%	44.7%	55.3%	443.00	62,440.62	71,779.28	166,831.10	130,195.15	160,855.85	291,051.00	
W3503	Relocation of Watermain	m	131.00	5.1%	77.1%	17.8%	55.8%	44.2%	1,460.00	8,839.88	147,413.09	34,007.03	106,636.02	84,623.98	191,260.00	
W3504	Relocation of Sewer Pipe	m	263.00	16.1%	46.7%	37.2%	48.2%	51.8%	3,340.00	141,398.22	410,594.96	326,426.81	423,471.12	454,948.88	878,420.00	
	Miscellaneous	L.S.	1.00	30.0%	40.0%	30.0%	50.0%	50.0%		43,434.93	57,913.24	43,434.93	72,391.55	72,391.55	144,783.10	10.0%
Total										270,542.74	707,350.47	614,720.89	766,678.30	825,935.80	1,592,614.10	
Components (%)										17.0%	44.4%	38.6%	48.1%	51.9%	100.0%	
Unit Rate		L.S.								270,998.87	706,189.43	613,711.90	765,419.88	824,580.12	1,590,000.00	

Miscellaneous covers the costs for compensation, extra works, etc.

SPL 900(3) Provisional Sum for Geotechnical Investigation

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W4001	Soil Investigation Boring	m	485.00	18.0%	8.0%	74.0%	50.0%	60.0%	2,950.00	257,535.00	114,460.00	1,058,755.00	715,375.00	715,375.00	1,430,750.00	
W4002	Soil Investigation Standard Penetration Test	each	485.00	25.0%	5.0%	70.0%	50.0%	50.0%	1,630.00	197,637.50	39,527.50	553,385.00	395,275.00	395,275.00	790,550.00	
W4003	Soil Investigation Laboratory Test	set	97.00	30.0%	15.0%	55.0%	50.0%	50.0%	18,900.00	549,990.00	274,995.00	1,008,315.00	916,650.00	916,650.00	1,833,300.00	
	Miscellaneous	LS	1.00	10.0%	10.0%	80.0%	30.0%	70.0%		81,092.00	81,092.00	648,736.00	243,276.00	567,644.00	810,920.00	20.0%
	Total									1,086,254.50	510,074.50	3,269,191.00	2,270,576.00	2,594,944.00	4,865,520.00	
	Components (%)									22.3%	10.5%	67.2%	46.7%	63.3%	100.0%	
	Unit Rate	L.S.								1,087,254.69	510,544.16	3,272,201.16	2,272,666.67	2,597,333.33	4,870,000.00	

Miscellaneous covers the cost for mobilization, falseworks, reporting, overhead for the sub contractor, etc.

SPL 900(4) Provisional Sum for Maintenance and Repair of Existing Access Road

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W3511	Repair & Maintenance of Existing Access Road	m2	7,200.00	20.8%	16.4%	62.8%	41.2%	58.8%	75.20	112,810.47	88,787.37	339,842.16	223,057.21	318,382.79	541,440.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									112,810.47	88,787.37	339,842.16	223,057.21	318,382.79	541,440.00	
	Components (%)									20.8%	16.4%	62.8%	41.2%	58.8%	100.0%	
	Unit Rate	L.S.								112,718.79	88,715.22	339,565.99	222,875.95	318,124.05	541,000.00	

SPL 900(5) Provisional Sum for Environmental Compliance Requirements

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W4101	Environmental Compliance	km	13.13	50.2%	49.0%	0.8%	0.8%	99.2%	97,700.00	643,753.22	628,986.60	10,061.18	10,061.18	1,272,739.82	1,282,801.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									643,753.22	628,986.60	10,061.18	10,061.18	1,272,739.82	1,282,801.00	
	Components (%)									50.2%	49.0%	0.8%	0.8%	99.2%	100.0%	
	Unit Rate	L.S.								642,347.58	627,613.20	10,039.22	10,039.22	1,269,960.78	1,280,000.00	

SPL 900(6) Provisional Sum for Health and Safety Requirements

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W4111	Health and Safety Requirements	day	1,080.00	10.0%	55.0%	35.0%	40.0%	60.0%	674.00	72,792.00	400,356.00	254,772.00	291,168.00	436,752.00	727,920.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									72,792.00	400,356.00	254,772.00	291,168.00	436,752.00	727,920.00	
	Components (%)									10.0%	55.8%	35.0%	40.0%	60.0%	100.0%	
	Unit Rate	L.S.								72,800.00	400,400.00	254,800.00	291,200.00	436,800.00	728,000.00	

SPL 900(7) Provisional Sum for Overseas Development Assistance (ODA) Recognition Plate

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W4121	Overseas Development Assistance (ODA) Recognition Plate	each	2.00	1.8%	96.1%	2.1%	63.1%	36.9%	93,600.00	3,304.68	179,955.41	3,939.91	118,072.46	69,127.54	187,200.00	
	Miscellaneous	LS	1.00	30.0%	40.0%	30.0%	50.0%	50.0%		1,123.20	1,497.60	1,123.20	1,872.00	1,872.00	3,744.00	2.0%
	Total									4,427.88	181,453.01	5,063.11	119,944.46	70,999.54	190,944.00	
	Components (%)									2.3%	95.0%	2.7%	62.8%	37.2%	100.0%	
	Unit Rate	L.S.								4,429.18	181,506.23	5,064.59	119,979.64	71,020.36	191,000.00	

Miscellaneous covers the costs for maintenance, etc.

SPL 900(8) Provisional Sum for Contingency

Unit: 1.00 L.S.

Item No.	Description	Unit	Quantity	Unit Rate					Total (PP)	Amount					Total (PP)	Remarks
				Component (%)						Component (PP)						
				Lab.	Mat.	Equip.	For.	Local		Labor	Material	Equipment	Foreign	Local		
W4201	Contingency	L.S.	1.00	15.0%	45.0%	40.0%	50.0%	50.0%	2,600,000.00	390,000.00	1,170,000.00	1,040,000.00	1,300,000.00	1,300,000.00	2,600,000.00	
	Miscellaneous	LS	1.00							0.00	0.00	0.00	0.00	0.00	0.00	0.0%
	Total									390,000.00	1,170,000.00	1,040,000.00	1,300,000.00	1,300,000.00	2,600,000.00	
	Components (%)									15.0%	45.0%	40.0%	50.0%	50.0%	100.0%	
	Unit Rate	L.S.								390,000.00	1,170,000.00	1,040,000.00	1,300,000.00	1,300,000.00	2,600,000.00	