

CONSTRUCTION OF PERIMTER FENCE AT UNIVERSITY OF RIZAL SYSTEM - TANAY CAMPUS

Tanay Campus

DETAILED ESTIMATE

ITEM	WORK DESCRIPTION	QTY	UNIT	UNIT COST (P)		COST		TOTAL (P)
				MATERIAL	LABOR	MATERIAL	LABOR	
A.	CONSTRUCTION OF PERIMTER FENCE							
I.	MOBILIZATION/DEMOLITION	1.00	Lot					
II.	SITE WORKS							
a.	Demolition Works	1.00	Lot					
1.00	Foreman	4.00	days					
2.00	Skilled	4.00	days					
5.00	Labor	4.00	days					
1.00	Jackhammer	3.00	days					
1.00	Elf Truck	2.00	trips					
b.	Removal of Street Lights	1.00	Lot					
1.00	Foreman	2.00	days					
5.00	Labor	2.00	days					
c.	Site Clearing	1.00	Lot					
1.00	Foreman	2.00	days					
5.00	Labor	2.00	days					
III.	EXCAVATION	120.23	m³					
	Excavation	120.23	m ³					
IV.	BACKFILL	58.95	m³					
	Backfill	58.95	m ³					
V.	CONCRETE WORKS							
a.	Footing (F-1)	18.58	m³					
	Cement	176.00	bags					
	Sand	9.30	m ³					
	Gravel (¾")	18.58	m ³					
	16mm Ø x 6.0m RSB Gr. 40	126.00	pcs.					
	#16 G.I. Tie Wires	15.58	kgs.					
	Form Plywood 1/4" Thk.	23.00	pcs.					
	Form Lumber / Scaffolding	725.00	BF					
	CW Nail	25.00	kgs.					
	Gravel Fill (G-1)	3.10	m ³					
b.	Column (C-1)	15.48	m³					
	Cement	147.00	bags					
	Sand	7.70	m ³					
	Gravel (¾")	15.48	m ³					
	16mm Ø x 6.0m RSB Gr. 40	208.00	pcs.					
	10mm Ø x 6.0m RSB Gr. 40	470.00	pcs.					
	#16 G.I. Tie Wires	7.30	kgs.					
	Form Plywood 1/4" Thk.	76.00	pcs.					
	Form Lumber / Scaffolding	4,788.00	BF					
	CW Nail	78.00	kgs.					
c.	Tie Beam	10.26	m³					
	Cement	97.00	bags					
	Sand	5.13	m ³					
	Gravel (¾")	10.26	m ³					
	16mm Ø x 6.0m RSB Gr. 40	69.00	pcs.					
	10mm Ø x 6.0m RSB Gr. 40	46.00	pcs.					
	#16 G.I. Tie Wires	7.30	kgs.					
	Form Plywood 1/4" Thk.	26.00	pcs.					
	Form Lumber / Scaffolding	1,638.00	BF					
	CW Nail	28.00	kgs.					
d.	Beam	4.45	m³					
	Cement	43.00	bags					
	Sand	2.23	m ³					
	Gravel (¾")	4.45	m ³					
	12mm Ø x 6.0m RSB Gr. 40	90.00	pcs.					
	10mm Ø x 6.0m RSB Gr. 40	111.00	pcs.					
	#16 G.I. Tie Wires	56.95	kgs.					
	Form Plywood 1/4" Thk.	25.00	pcs.					
	Form Lumber / Scaffolding	1,575.00	BF					
	CW Nail	27.00	kgs.					
VI.	MASONRY WORKS							
a.	6" CHB	333.90	m²					
	6" CHB	4,564.00	pcs.					

	Cement	265.00	bags						
	Sand	28.18	m ³						
	10mm Ø x 6.0m RSB Gr. 40	329.00	pcs.						
	#16 G.I. Tie Wires	14.60	kgs.						
VII.	PLASTERING	667.80	m²						
	Cement	238.00	bags						
	Sand	10.68	m ³						
	cornering	1,213.80	lm						
VIII.	PAINTING								
a.	CHB Wall	800.24	m²						
	Latex Paint (Flat)	34.00	gals.						
	Masonry Putty	11.00	gals.						
	Latex Paint (gloss)	57.00	gals.						
	Acre Color (¼ Lit.)	9.00	cans						
	Concrete Neutralizer	4.00	gals.						
	Scaffolding (36 sets)	15.00	days						
B.	CONSTRUCTION OF GATE								
I.	Site Works								
a.	Demolition Works	1.00	Lot						
1.00	Foreman	3.00	days						
2.00	Skilled	3.00	days						
5.00	Labor	3.00	days						
1.00	Jackhammer	3.00	days						
1.00	Elf Truck	2.00	trip						
II.	Earthworks								
a.	Excavation	8.67	m ³						
b.	Backfill	3.42	m ³						
c.	Earthfill	1.98	m ³						
III.	Concrete Works								
a.	Footing (C1F1/C2F2)	1.15	m³						
	Cement	11.00	bags						
	Sand	0.60	m ³						
	Gravel (¾")	1.15	m ³						
	16mm Ø x 6.0m RSB Gr. 40	8.00	pcs.						
	#16 G.I. Tie Wires	0.90	kgs.						
	Form Plywood 1/4" Thk.	2.00	pcs.						
	Form Lumber / Scaffolding	63.00	BF						
	CW Nail	4.00	kgs.						
	Gravel Fill (G-1)	0.18	m ³						
b.	Column (C1F1/C2F2/Gate Columns)	2.00	m³						
	Cement	19.00	bags						
	Sand	1.00	m ³						
	Gravel (¾")	2.00	m ³						
	16mm Ø x 6.0m RSB Gr. 40	23.00	pcs.						
	12mm Ø x 6.0m RSB Gr. 40	11.00	pcs.						
	10mm Ø x 6.0m RSB Gr. 40	65.00	pcs.						
	#16 G.I. Tie Wires	3.26	kgs.						
	Form Plywood 1/4" Thk.	2.00	pcs.						
	Form Lumber / Scaffolding	63.00	BF						
	CW Nail	4.00	kgs.						
c.	Wall Footing (WF)	0.33	m³						
	Cement	4.00	bags						
	Sand	0.20	m ³						
	Gravel (¾")	0.33	m ³						
	12mm Ø x 6.0m RSB Gr. 40	4.00	pcs.						
	10mm Ø x 6.0m RSB Gr. 40	5.00	pcs.						
	#16 G.I. Tie Wires	0.08	kgs.						
	Gravel Fill (G-1)	0.08	m ³						
d.	Slab on Fill	0.99	m³						
	Cement	10.00	bags						
	Sand	0.50	m ³						
	Gravel (¾")	0.99	m ³						
	10mm Ø x 6.0m RSB Gr. 40	9.00	pcs.						
	#16 G.I. Tie Wires	0.25	kgs.						
	Gravel Fill (G-1)	0.08	m ³						
	Topping Works	0.99	m²						
	Cement	5.00	bags						
	Sand	0.37	m ³						

e.	Beams	1.04	m³						
	Cement	10.00	bags						
	Sand	0.52	m ³						
	Gravel (¾")	1.04	m ³						
	16mm Ø x 6.0m RSB Gr. 40	10.00	pcs.						
	10mm Ø x 6.0m RSB Gr. 40	27.00	pcs.						
	#16 G.I. Tie Wires	1.79	kgs.						
	Form Plywood 1/4" Thk.	6.00	pcs.						
	Form Lumber / Scaffolding	189.00	BF						
	CW Nail	8.00	kgs.						
IV.	Masonry Works	4.95	m²						
	6" CHB	74.00	pcs.						
	Cement	4.00	bags						
	Sand	0.42	m ³						
	10mm Ø x 6.0m RSB Gr. 40	6.00	pcs.						
	#16 G.I. Tie Wires	1.00	kgs.						
V.	PLASTERING	9.90	m²						
	Cement	4.00	bags						
	Sand	0.16	m ³						
	cornering	140.00	lm						
VI.	VEHICULAR GATE	1.00	Lot						
	2"x2"x1.5mm Tubular	5.00	pcs.						
	25mmx25mmx4.5 angle bar	2.00	pcs.						
	¾"x3/4"x1.2mm Tubular	8.00	pcs.						
	10mm Steel Square Bar	4.00	pcs.						
	4'x8' Steel Plate	2.00	pcs.						
	Sliding Gate Roller	16.00	pcs.						
	10mmØ Steel Round Bar	1.00	pc.						
VII.	PEDESTRIAN GATE (ENTRANCE/EXIT)	1.00	Lot						
	25mmx25mmx4.5 angle bar	3.00	pcs.						
	1 1/4"x1 1/4 "x1.50mm Tubular	2.00	pcs.						
	10mm Steel Square Bar	7.00	pcs.						
	¾"x3/4"x1.2mm Tubular	2.00	pcs.						
	4'x8' Steel Plate	1.00	pc.						
	Anchor Bolt	20.00	pcs.						
VIII.	STEEL FENCE	1.00	Lot						
	1 1/4"x1 1/4 "x1.50mm Tubular	9.00	pcs.						
	Stainless Anchor Bolt	43.00	pcs.						
IX.	PAINTING WORKS								
a.	CHB	9.90	m²						
	Latex Paint (Flat)	1.00	gals.						
	Masonry Putty	1.00	gals.						
	Latex Paint (gloss)	1.00	gals.						
	Acre Color (¼ Lit.)	1.00	cans						
	Concrete Neutralizer	1.00	gals.						
	Scaffolding (36 sets)	2.00	days						
b.	Steel	47.76	m²						
	Epoxy Primer	3.00	gals.						
	Quick Dry Enamel	4.00	gals.						
	Paint Thinner	1.00	gals.						
X.	MISCELLANEOUS	1.00	Lot						
	Solar Powered Lighting	3.00	sets						
XI.	RESTORATION WORKS	1.00	Lot						
	Cement	78.00	bags						
	Sand	37.08	m ³						
	Gravel	8.24	m ³						
	10mm Ø x 6.0m RSB Gr. 40	56.00	pcs.						
	#16 G.I. Tie Wires	2.00	kgs.						
C.	GUARD POST								
I.	STEELWORKS	1.00	Lot						
	50mmØ G.I. Pipe #40	4.00	pcs.						
	38mmØ G.I. Pipe #40	3.00	pcs.						
	1.5 mm x 2" x 3" x 6.0 m C-Purlins	5.00	pcs.						
	50 x 50 x 4.5mm Angle Bar	3.00	pcs.						
	1" x 1/4" x 6.0m Flat Bar	7.00	pcs.						
	Epoxy Primer	1.00	gals.						
	Lacquer Thinner	1.00	gals.						

