

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED REHABILITATION OF FRONT PERIMETER FENCE AND COVERED PATHWALK AT M.H. DEL PILAR ELEMENTARY SCHOOL

LOCATION : BARANGAY KAMUNING, DISTRICT 4, QUEZON CITY

PROJECT NO. : 20 - 00138

DURATION : Ninety (90) Calendar Days

SCOPE OF WORKS:

- 1 General requirements including temporary facilities and utilities, billboard, construction safety and health, scaffoldings, clearing, hauling and disposal of construction materials and debris.
- 2 Rehabilitation of Covered Pathwalk
 - A. Site works including site clearing and preparation, layout and staking, and earthworks.
 - B. Civil / Structural Works include concrete works, masonry works, metal works and roofing works.
 - C. Architectural Works include painting works.
 - D. Site Development Works include rehabilitation of sidewalk.
- 3 Rehabilitation of Front Perimeter Fence
 - A. Civil / Structural Works include concrete works.
 - B. Architectural Works include painting works.
- 4 All necessary testing of materials and commissioning works must be performed as per standard procedures.

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
I	GENERAL REQUIREMENTS				
	Billboard	1	pc	P	P
	Clearing, Hauling and Disposal of Construction Materials and Debris	7	t.l.		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	173	sq.m.		
	Temporary Electrical and Water Facilities	90	days		
	Temporary Enclosure Around the Construction Area (H=2.4m)	256	l.m.		
				Direct Cost I	P
II	REHABILITATION OF COVERED PATHWALK				
	A. SITE WORKS				
	Removal of Existing Roofing and Bended Accessories	105	sq.m.	P	P
	Removal of Existing Steel Framing	105	sq.m.		
	Layout and Staking	205	sq.m.		
	Site Clearing and Preparation	205	sq.m.		
	Excavation (Solid Rock Adobe)				
	Column Footing	31	cu.m.		
				Subtotal	P
	Gravel Bedding	2	cu.m.	P	P
				Materials Cost	P
				Labor Cost	
				Subtotal	P
	Backfill and Compaction	20	cu.m.	P	P
				Subtotal	P
				Materials Cost II-A	P
				Labor Cost II-A	
				Direct Cost II-A	P

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	B. CIVIL / STRUCTURAL WORKS				
	Concrete Works				
	Ready Mix Concrete, 21 MPA, 3/4" Gravel, 28 Days				
	Pedestal Footing	9	cu.m.	P	P
	Pedestal Column	4	cu.m.		
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bars include GI Tie Wire #16				
	10mm Ø Column	278	kg		
	Grade 60 Reinforcing Steel Bars include GI Tie Wire #16				
	16mm Ø Footing	711	kg		
	16mm Ø Column	379	kg		
	Formworks (Column)	59	sq.m.		
	Scaffoldings / Shoring (Column)	59	l.m.		
	Masonry Works				
	Plastering of Pedestal	14	sq.m.		
	Metal Works				
	50mm x 50mm x 6mm Tubular Steel	8,960	kg		
	50mm x 100mm x 6mm Tubular Steel	5,498	kg		
	200mm x 200mm x 12mm Mild Steel Plate	212	kg		
	10mm Ø x 150mm Anchor Bolt	224	kg		
	Cut Off Blade	120	pcs		
	Grinding Disc Metal	120	pcs		
	Hacksaw Blade	40	pcs		
	Welding Rod	13	boxes		
	Roofing Works				
	Pre-Painted Longspan Rib-Type G.I. Roofing	187	sq.m.		
	Pre-Painted G.I. Flashing	142	l.m.		
	Tekscrew	1210	pcs		
	Umbrella nail		pc		
	Silicon sealant	37	tubes		
				Materials Cost II-B	P
				Labor Cost II-B	
				Direct Cost II-B	P
	C. ARCHITECTURAL WORKS				
	Painting Works				
	Elastomeric Paint Finish (Concrete Pedestal)	14	sq.m.	P	P
	Epoxy Enamel Paint Finish (Steel Surfaces)	314	sq.m.		
				Materials Cost II-C	P
				Labor Cost II-C	
				Direct Cost II-C	P
	D. SITE DEVELOPMENT WORKS				
	Removal of Existing Sidewalk / Driveways	192	sq.m.	P	P
	Excavation for Aggregate Base Course	10	cu.m.		
	Aggregate Base Course	10	cu.m.		
	Restoration of Concrete Sidewalk / Driveways	192	sq.m.		
				Materials Cost II-D	P
				Labor Cost II-D	
				Direct Cost II-D	P
				Materials Cost II	P
				Labor Cost II	
				Direct Cost II	P

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
III	REHABILITATION OF FRONT PERIMETER FENCE				
	A. CIVIL / STRUCTURAL WORKS				
	Concrete Works				
	Ready Mix Concrete, 21 MPA, 3/4" Gravel, 28 Days				
	Perimeter Fence Column	3	cu.m.		P
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bars include GI Tie Wire #16				
	10mm Ø Column	130	kg		
	Grade 60 Reinforcing Steel Bars include GI Tie Wire #16				
	16mm Ø Column	408	kg		
	Formworks (Column)	42	sq.m.		
	Scaffolding / Shoring (Column)	42	l.m.		
	Masonry Works				
	150mm CHB Laying including Mortar, Reinforcement and Two-Face Plastering	90	sq.m.		
	Plastering of CHB Wall (Two-Face)	191	sq.m.		
	Metal Works				
	Barbed Wire Fence				
	50mm Ø GI Pipe	96	kg		
	Barbed Wire	360	l.m.		
				Materials Cost III-A	P
				Labor Cost III-A	
				Direct Cost III-A	P
	B. ARCHITECTURAL WORKS				
	Painting Works				
	Elastomeric Paint Finish (CHB Wall)	280	sq.m.		
				Materials Cost III-B	P
				Labor Cost III-B	
				Direct Cost III-B	P
				Materials Cost III	P
				Labor Cost III	
				Direct Cost III	P

SUMMARY

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	TOTAL COST
I	GENERAL REQUIREMENTS	P
II	REHABILITATION OF COVERED PATHWALK	
III	REHABILITATION OF FRONT PERIMETER FENCE	
	TOTAL DIRECT COST	P
	Overhead, Contingencies and Miscellaneous Expenses (OCM)	
	Profit	
	VAT	
	TOTAL ESTIMATED COST	P