

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED CONSTRUCTION OF STAGE AT RAMON MAGSAYSAY HIGH SCHOOL

LOCATION : BARANGAY PALIGSAHAN, DISTRICT 4, QUEZON CITY

PROJECT NO. : 20 - 00136

DURATION : Ninety (90) Calendar Days

Scope of Works :

- 1 General Requirement include posting of billboard, clearing, hauling and disposal of construction materials and debris, construction safety and health, scaffoldings temporary enclosure, facilities and utilities,
- 2 Site Works include site clearing and preparation, lay-out and staking, excavations and gravel beddings.
- 3 Civil works include concrete works including rebars and formworks, masonry works and steel works.
- 4 Architectural works include tile works and decorative stone works, carpentry works, painting works, installation of doors
- 5 Intallation of logos and lettering
- 6 Installation of electrical roughing-ins, pipelines, wiring devices and fixtures.
- 7 All necessary testing 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	2	t.l		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	137	sq.m.		
	Temporary electric and water facilities	90	days		
	Temporary enclosure around the construction area (H=2.4m)	50	l.m.		
				Direct Cost I	P
II	SITE WORKS				
	Site Clearing and Preparation	114	sq.m.	P	P
	Lay-out and Staking	114	sq.m.		
	Excavation				
	Column Footing	6	cu.m.		
	Wall Footing	12	cu.m.		
				Direct Cost	P
	Gravel Bedding				
	Footings (Wall, Column, Ramp)	1	cu.m.		
	Slab-on-fill	6.5	cu.m.		
	Imported Earthfill	124	cu.m.		
				Materials Cost	P
				Labor Cost	
				Direct Cost	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	CIVIL/ STRUCTURAL WORKS				
	Concrete Works				
	On Site Mix Concrete				
	Column Footing	4	cu.m.	P	P
	Wall Footing	4	cu.m.		
	Slab-on-Fill	7	cu.m.		
	Column	5	cu.m.		
	Beams	4	cu.m.		
	Ramp	4	cu.m.		
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bars including G.I. Tie Wire G.A. #16				
	12mm Ø Reinforcing Steel Bar				
	Wall Footing	270	kgs		
	Ramp	63	kgs		
	10mm Ø Reinforcing Steel Bar				
	Wall footing Stirrups	51	kgs		
	Column Stirrups	219	kgs		
	Beam Stirrup	210	kgs		
	Slab-on-Fill	668	kgs		
	Grade 60 Reinforcing Steel Bars including G.I. Tie Wire Ga #16				
	16mm Ø Reinforcing Steel Bar				
	Column Footing	209	kgs		
	Column	501	kgs		
	Beams	482	kgs		
	Formworks				
	Column Footings	4	sq.m.		
	Columns	4	sq.m.		
	Ramp	7	sq.m.		
	Scaffoldings / Shoring				
	Columns	20	l.m.		
	Masonry Works				
	150mm CHB Laying, including mortar, reinforcement and Two Face Plastering	95	sq.m.		
	150mm CHB Laying, including mortar and reinforcement	65	sq.m.		
	Moisture and Thermal Protection				
	Vapor Barrier	114	sq.m.		
	Metal Works				
	Hand Rail				
	50mmØ Stainless Steel Ramp Railing	40	l.m.		
	Stage				
	50mm x 50mm x 6mm Angle Bar (Top/Bottom Bars)	394	kgs		
	38mm x 38mm x 6mm Angle Bar (Webs)	236	kgs		
	Miscellaneous and Consummables				
	Acetylene Tank Refill	4	tanks		
	Assorted Metal Drill Bit	5	pcs		
	Cut Off Blade	5	pcs		
	Grinding Disc Metal	6	pcs		
	Oxygen Tank Refill	8	tanks		
	Welding Rod	1	box		
				Materials Cost III	P
				Labor Cost III	P
				Direct Cost III	P

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
IV	ARCHITECTURAL WORKS				
	Floor Finishes				
	600mm x 600mm Non Skid Floor Tiles	145	sq.m.	P	P
	Wall Finishes				
	1.0m x 1.0m Decorative Stone Finish	59	sq.m.		
	Carpentry Works				
	1.20m x 2.40m x 6mm Double Wall Fiber Cement Board with complete framing and accessories	45	sq.m.		
	1.20m x 2.40m x 6mm Fiber Cement Board with complete framing and accessories	274	sq.m.		
	Painting Works				
	Epoxy Paint Finish (steel surfaces)	545	sq.m.		
	Elastomeric Paint Finish (exterior walls)	264	sq.m.		
	Semigloss Paint Finish (Ceiling)	134	sq.m.		
	Logos and Letterings				
	QC Logo	1	set		
	Stainless Steel Signage (250mm x 200mm) MAGSAYSAY HIGH SCHOOL"	24	pcs		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
	Door Installation				
	Doors including accessories				
	D1 - 0.70m x 2.10m Flush Door w/ Jamb	2	sets		
	Hardware accessories				
	Door Hinge	6	sets		
	Wooden Door Jamb	2	sets		
	Door Knob	2	sets		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
				Materials Cost IV	P
				Labor Cost IV	P
				Direct Cost IV	P
V.	ELECTRICAL WORKS				
	Roughing-ins, Pipes and Fittings				
	20mmØ PVC Pipe	38	pcs	P	P
	32mmØ PVC Pipe	2	pcs		
	20mmØ PVC Adaptor	84	pcs		
	20mmØ PVC Locknut and Bushing	84	pairs		
	32mmØ PVC Adaptor	2	pcs		
	32mmØ PVC Locknut and Bushing	2	pairs		
	32mmØ Entrance Cap	1	pc		
	50mm x100mm, Metal Utility Box	16	pcs		
	100mm x100mm, Metal Junction Box w/ cover	26	pcs		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Wires and Cables				
	3.5mm ² THHN Wire	2	rolls		
	8.0mm ² TW Wire	30	mtrs		
	Wiring Devices and Other Fixtures				
	Duplex Convenience Outlet with Grounding	10	pcs		
	Switch w/ plate & cover, One gang	2	pcs		
	Switch w/ plate & cover, Two gang	2	pcs		
	Lighting Fixtures (Energy Efficient)				
	150mm Ø Round Recessed Pinlight (casing only)	26	pcs		
	10W Bulb	26	pcs		
	Panelboard and Circuit Breaker				
	Lighting and Power Panel	1	Assy		
	Main: 1-40 AT/ 100 AF, 2P, 230 V, MCCB				
	Branches : 4- 20AT, 2P, 230 V, MCCB				
	Pipe Hangers & Supports				
	Horizontal layout of pipe more than less than 50mmØ	35	l.m.		
	Vertical layout of pipe more than less than 50mmØ	6	l.m.		
	Miscellaneous & Consumables				
	6mmØ x 37mm Tox w/ Screw	1	box		
	All around Sealant	1	can		
	Electrical Tape	5	rolls		
	Masking Tape	1	rolls		
	Rubber Tape	1	roll		
	Tie Wire, Ga.16 (for cable pulling)	1	kg		
				Materials Cost V	P
				Labor Cost V	P
				Direct Cost V	P

SUMMARY

ITEM NO.	WORK DESCRIPTIONS AND SCOPE OF WORK	TOTAL
I	GENERAL REQUIREMENTS	P
II	SITE WORKS	
III	CIVIL/ STRUCTURAL WORKS	
IV	ARCHITECTURAL WORKS	
V	ELECTRICAL WORKS	
	TOTAL DIRECT COST	P
	OCM (Overhead, Contingencies and Miscellaneous Expenses)	
	PROFIT	
	VAT	
	TOTAL ESTIMATED COST	P

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BREAKDOWN OF COST

Item of Work (Description)		MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
I	GENERAL REQUIREMENTS				
II	SITE WORKS				
III	CIVIL/ STRUCTURAL WORKS				
IV	ARCHITECTURAL WORKS				
V	ELECTRICAL WORKS				

TOTAL COST ₱ _____

LUMP SUM BID IN WORDS : _____

Contractor : _____