

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED CONSTRUCTION OF MULTI PURPOSE HALL WITH DAY CARE CENTER

LOCATION : BARANGAY UP CAMPUS, DISTRICT 4, QUEZON CITY

PROJECT NO. : 20 - 00140

DURATION : Ninety (90) Calendar Days

SCOPE OF WORKS:

- 1 General requirement include temporary facilities and utilities, billboard, construction safety and health, scaffolding, clearing, hauling and disposal of construction materials and debris.
- 2 Site works include site clearing, removal of ceiling, doors, roofing, and windows including CHB walls, layout and staking and preparation of earthworks.
- 3 Application of Soil Treatment.
- 4 Civil and Structural Works including concrete works, masonry works, metal works, roofing works and thermal proofing.
- 5 Architectural Works including floor finishes, wall finishes, ceiling finishes and painting works.
- 6 Installation of doors, door jamb and windows.
- 7 Installation of logos and letterings.
- 8 Installallation of sanitary/plumbing roughing-ins, devices, and accessories.
- 9 Installallation of electrical roughing-ins, wirings, devices and fixtures.
- 10 Installation of panel board and its accessories
- 11 All necessary testing of materials and commissioning works must be performed as per standards 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	11	t.l.		
	Construction Health and Safety	1	unit		
	Scaffolding (Rental)	53	sq.m.		
	Temporary Electrical and Water Facilities	90	days		
	Temporary Enclosure around the Construction Area (H=2.4m)	41	l.m.		
				Direct Cost I	P
II.	SITE WORKS				
	Demolition Works				
	Demolition of CHB Walls	163	sq.m.	P	P
	Removal of Ceiling	69	sq.m.		
	Removal of Doors	2	sets		
	Removal of Roofing	81	sq.m.		
	Removal of Windows	5	sets		
	Site Clearing and Preparation	69	sq.m.		
	Layout and Staking	69	sq.m.		
	Excavation for Works				
	Column Footing	20	cu.m.		
	Wall Footing	10	cu.m.		
				Subtotal	P
	Soil Treatment	69	sq.m.	P	P
	Gravel Bedding	69	cu.m.		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
	Backfill and Compaction	21	cu.m.	P	P
				Subtotal	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 WORKS / STRUCTURAL WORKS				
	Concrete Works				
	Ready Mix Concrete, 28 MPa, 3/4" Gravel @ 28 days				
	Column	14	cu.m.	P	P
	Beam	11	cu.m.		
	On Site Mix Concrete				
	Column Footing	5	cu.m.		
	Wall Footing	4	cu.m.		
	Slab-on-Fill	8	cu.m.		
	Suspended Slab	7	cu.m.		
	Stair	3	cu.m.		
	Canopy	1	cu.m.		
	Lintel Beam	1	cu.m.		
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bars include Tie Wire G.I. #16				
	10mmØ Column	874	kg		
	10mmØ Beam	1,243	kg		
	10mmØ Slab On-Fill	259	kg		
	10mmØ Suspended Slab	285	kg		
	12mmØ Wall Footing	230	kg		
	12mmØ Stairs	182	kg		
	12mmØ Concrete Canopy	235	kg		
	12mmØ Lintel Beam	208	kg		
	Grade 60 Reinforcing Steel Bars include Tie Wire G.I. #16				
	16mmØ Column Footing	559	kg		
	16mmØ Column	1,241	kg		
	16mmØ Beam	1,260	kg		
	Formworks				
	Column	134	sq.m.		
	Beam	93	sq.m.		
	Suspended Slab	92	sq.m.		
	Stairs	14	sq.m.		
	Canopy	1	sq.m.		
	Lintel Beam	8	sq.m.		
	Scaffoldings / Shoring				
	Column	84	l.m.		
	Beam	102	l.m.		
	Suspended Slab	66	sq.m.		
	Canopy	17	sq.m.		
	Thermal and Moisture Protection				
	Vapor Barrier	69	sq.m.		
	Cementitious Capillary Type Waterproofing (Toilet)	10	sq.m.		
	Masonry Works				
	100mm CHB Laying including Mortar, Reinforcement, and Two-Face Plastering	63	sq.m.		
	150mm CHB Laying including Mortar, Reinforcement, and Two-Face Plastering	403	sq.m.		
	Floor Topping Preparation for Tiles	162	sq.m.		
	Plastering of Door and Window Opening	100	l.m.		
	Plastering of Column and Beam	258	sq.m.		
	Metal Works				
	Roof Framing				
	50mm x 50mm x 6mm Angle Bar	113	kg		
	75mm x 75mm x 6mm Angle Bar	272	kg		
	100mm x 50mm x 2mm Channel Bar	62	kg		
	50mm x 100mm x 6mm Gusset Plate	55	kg		
	16mmØ Dyna Bolt	56	pcs		
	50mm Ø Railing Stainless Steel	24	l.m.		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Miscellaneous & Consumables				
	Acetylene Tank Refill	2	tanks		
	Assorted Metal Drill Bit	10	pcs		
	Cut Off Blade	10	pcs		
	Grinding Disc Metal	10	pcs		
	Oxygen tank Refill	4	tanks		
	Welding Rod	3	boxes		
	Roofing Works				
	Pre-Painted Rib-type G.I. Roofing	100	sq.m.		
	Pre-Painted G.I. End Flashing	37	l.m.		
	6mm thick Thermal Insulation (One-sided Aluminum Foil)	100	sq.m.		
	12mm x 300mm Fascia Board	37	l.m.		
	Tekscrew	521	pcs		
	Blind Rivets	97	pcs		
	All Around Sealant	3	tube		
				Materials Cost III	P
				Labor Cost III	
				Direct Cost III	P
IV.	ARCHITECTURAL WORKS				
	Floor Finishes				
	600mm x 600mm Ceramic Tiles	136	sq.m.	P	P
	400mm x 400mm Non Skid Ceramic Tiles	10	sq.m.		
	300mm x 300mm Non Skid Ceramic Tiles	8	sq.m.		
	Rubber Stair Nosing	16	l.m.		
	Wall Finishes				
	400mm x 400mm Non Skid Ceramic Tiles	38	sq.m.		
	Plastering Guide / Grooves	147	l.m.		
	Ceiling Finishes				
	12mm Thk. Gypsum Board with Complete Framing and Accessories	141	sq.m.		
	12mm Thk. Moisture Resistant Gypsum Board with Complete Framing and Accessories	5	sq.m.		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
	Installation of Doors				
	D1 - 1.6m x 2.1m Two Leaf Glass Swing Door Aluminum Frame Powder Coating w/ 6mm Thk. Glass	1	set	P	P
	D2 - 1.00m x 2.10m Panel Door With Fixed Glass	1	set		
	D3 - 0.60m x 2.10m PVC Door with Complete Accessories	4	sets		
	Hardware and Accessories				
	Door Jambs				
	D2 - 1.00m x 2.10m Wood Jamb	1	set		
	Door Hinges	3	sets		
	Door Knobs	1	set		
	Installation of Windows				
	W1 - 1.60m x 1.20m Aluminum Framed Fixed Glass Window w/ 6mm Thk. Glass	1	set		
	W2 - 0.6m x 0.5m Aluminum Framed Awning Glass Window w/ 6mm Thk. Glass	4	sets		
	W3 - 1.60m x 1.10m Aluminum Framed Sliding Glass Window w/ 6mm Thk. Glass	1	set		
	W4 - 1.30m x 1.10m Aluminum Framed Sliding Glass Window w/ 6mm Thk. Glass	1	set		
				Materials Cost	P
				Labor Cost	
				Subtotal	P

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Painting Works				
	Elastomeric Paint Finish (Exterior Wall)	203	sq.m.		
	Flat Latex Paint Finish				
	Interior Wall	245	sq.m.		
	Ceiling	145	sq.m.		
	Red Oxide Primer	1	liter		
	Silver Gray QDE Paint	1	liter		
	Logos and Lettering				
	QC Logo	1	set		
	Stainless Steel Lettering	28	sets		
	"BRGY. UP CAMPUS MULTI PURPOSE HALL"				
				Materials Cost	P
				Labor Cost	
				Subtotal	P
				Materials Cost IV	P
				Labor Cost IV	
				Direct Cost IV	P
V.	SANITARY/PLUMBING WORKS				
	Roughing-ins				
	Sewerline System / Storm Drainage System				
	50mmØ PVC Pipe with Hub	16	pcs	P	P
	75mmØ PVC Pipe with Hub	23	pcs		
	100mmØ PVC Pipe with Hub	11	pcs		
	75mmØ x 75mmØ Wye	8	pcs		
	100mmØ x 50mmØ Wye	12	pcs		
	100mmØ x 75mmØ Wye	7	pcs		
	50mmØ x 50mmØ Tee	21	pcs		
	75mmØ x 50mmØ Tee	10	pcs		
	100mmØ x 100mmØ Tee	3	pcs		
	50mmØ, 1/4 Bend	26	pcs		
	75mmØ, 1/4 Bend	8	pcs		
	50mmØ, 1/8 Bend	6	pcs		
	75mmØ, 1/8 Bend	12	pcs		
	100mmØ, 1/8 Bend	12	pcs		
	75mmØ, Cleanout	2	pcs		
	100mmØ, Cleanout	8	pcs		
	50mmØ, P-Trap	10	pcs		
	50mmØ, Coupling	10	pcs		
	75mmØ, Coupling	7	pcs		
	100mmØ, Coupling	5	pcs		
	Waterline System				
	20mmØ, PPR Pipe	12	pcs		
	25mmØ, PPR Pipe	1	pc		
	20mmØ x 20mmØ ,Tee Equal	15	pcs		
	25mmØ x 20mmØ, Reducer	2	pcs		
	20mmØ, 90° Elbow	15	pcs		
	20mmØ x 12mm Ø, Female Threaded Tee	10	pcs		
	20mmØ, End Cap	10	pcs		
	25mmØ, Union Patent	2	pcs		
	20mmØ , Coupling	13	pcs		
	25mmØ , Coupling	2	pcs		
	20mmØ, Male Adaptor	6	pcs		
	Fixtures (Water Efficient)				
	Water Closet, Tank Type	4	sets		
	Lavatory Wall Hung	4	sets		
	Lavatory Faucet	4	pcs		
	Stainless Single Kitchen Sink	1	set		
	Stainless Kitchen Faucet	1	pc		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Accessories				
	100mm x100mm, Floor Drain	5	pcs		
	25mmØ, Gate Valve PPR	1	pc		
	25mmØ, Check Valve	1	pc		
	25mmØ, Water Meter	1	pc		
	75mmØ, Roof Drain	6	sets		
	Stainless Bidet with Accessories	4	sets		
	Stainless Flexible Hose	9	pcs		
	5GPM Stainless Grease Trap	4	sets		
	Stainless Single-way Angle Valve	5	pcs		
	Stainless Two-way Angle Valve	4	pcs		
	Miscellaneous & Consumables				
	400cc, Solvent Cement	8	cans		
	All-Around Sealant	1	gal		
	Hacksaw Blade	2	pcs		
	Silicon Gun	1	pc		
	Silicon Sealant	5	tubes		
	Teflon Tape	15	rolls		
	Waste Cloth	2	kgs		
				Material Cost	P
				Labor Cost	
				Direct Cost	P
VI.	ELECTRICAL WORKS				
	Roughing-ins				
	12mmØ PVC Pipe	60	pcs	P	P
	18mmØ PVC Pipe	30	pcs		
	32mmØ PVC Pipe	15	pcs		
	32mmØ IMC Pipe	5	pcs		
	Fittings & Accessories				
	32mmØ IMC Elbow	4	pcs		
	12mmØ PVC Adaptor	244	pcs		
	18mmØ PVC Adaptor	8	pcs		
	32mmØ PVC Adaptor	2	pcs		
	32mmØ IMC Coupling	2	pcs		
	12mmØ PVC Locknut	488	pcs		
	18mmØ PVC Locknut	16	pcs		
	32mmØ PVC Locknut	4	pcs		
	32mmØ IMC Locknut & Bushing	4	pcs		
	32mmØ Entrance Cap	1	pcs		
	50mm x 100mm Metal Utility Box	30	pcs		
	100mm x 100mm Metal Junction Box with Cover	46	pcs		
	Wires and Cables				
	2.0mm² THHN Wire	3	rolls		
	3.5mm² THHN Wire	6	rolls		
	5.5mm² THHN Wire	2	rolls		
	8.0mm² THHN Wire	25	l.m.		
	30mm² THHN Wire	50	l.m.		
	20 mm dia x 3 m Copper Ground Wire	1	pcs		
	Wiring Devices				
	Outlet with Grounding, Two-gang	14	pcs		
	Switch w/ plate & cover, One pole	7	pcs		
	Switch w/ plate & cover, Three pole	3	pcs		
	Switch w/ plate & cover, Three way, One-gang	2	pcs		
	Lighting Fixtures				
	150mm Ø Round Recessed Pinlight w/ 23W CFL	15	pcs		
	300mm x 600mm Fixture w/ 1 x 18 w Troffer Type	21	pcs		
	Panelboards and Circuit Breaker				
	Lighting and Power Panel (LPP) Main:1-100AT/150AF,2P,230V,MCCB in NEMA 1 Branches:6-30AT/100AF,2P,230V,MCCB 4-20AT/100AF,2P,230V,MCCB	1	assy		
	Main Circuit Breaker (MCB) Main:1-100AT/150AF,2P,230V,MCCB in NEMA 3R	1	assy		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Miscellaneous & Consumables				
	400cc Solvent Cement	5	cans		
	6mm Ø x 38mm Tox with Screw	2	boxes		
	38mm U-Bolt	10	pcs		
	75mm Concrete Nails	2	kgs		
	Electrical Tape	20	rolls		
	GI Tie Wire, Ga. 16 (for Cable Pulling)	2	kgs		
	Hacksaw Blade	3	pcs		
	Masking Tape	5	rolls		
	Rubber Tape	10	rolls		
				Material Cost	P
				Labor Cost	
				Direct Cost	P
VII.	UTILITY AND ANCILLARY WORKS				
	Septic Tank (4.60m L x 1.80m W x 1.80m D)	15	cu.m.	P	P
				Direct Cost	P

SUMMARY

ITEM NO	WORK DESCRIPTION & SCOPE OF WORKS	TOTAL COST
I	GENERAL REQUIREMENTS	P
II	SITE WORKS	
III	CIVIL WORKS / STRUCTURAL WORKS	
IV	ARCHITECTURAL WORKS	
V.	SANITARY/PLUMBING WORKS	
VI.	ELECTRICAL WORKS	
VII.	UTILITY AND ANCILLARY WORKS	
	TOTAL DIRECT COST	P
	Overhead, Contingencies and Miscellaneous Expenses (OCM)	
	Profit	
	VAT	
	TOTAL ESTIMATED COST	P

PROJECT TITLE : PROPOSED CONSTRUCTION OF MULTI PURPOSE HALL WITH DAY CARE CENTER

LOCATION : BARANGAY UP CAMPUS, DISTRICT 4, QUEZON CITY

PROJECT NO. : 20 - 00140

DURATION : Ninety (90) Calendar Days

BREAKDOWN OF COST

ITEM NO	WORK DESCRIPTION	MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
I.	GENERAL REQUIREMENTS				
II.	SITE WORKS				
III.	CIVIL WORKS / STRUCTURAL WORKS				
IV.	ARCHITECTURAL WORKS				
V.	SANITARY/PLUMBING WORKS				
VI.	ELECTRICAL WORKS				
VII.	UTILITY AND ANCILLARY WORKS				

TOTAL COST ₱

LUMP SUM BID IN WORDS : _____

Contractor : _____