

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL
LOCATION : BARANGAY U.P. VILLAGE, DISTRICT 4, QUEZON CITY
PROJECT NO. : 20 - 00141
DURATION : One Hundred Fifty (150) Calendar Days

Scope of Works :

- 1 General Requirements include temporary facilities and utilities, billboard, construction safety and health, scaffolding, and clearing, hauling and disposal of construction materials and debris.
- 2 Site Works include demolition of existing structures, lay-out and staking, site clearing and earthworks.
- 3 Civil / Structural Works include concreting works, masonry works, metal works, moisture protection and roofing works.
- 4 Architectural Works including floor finishes, wall finishes, ceiling finishes and painting works.
- 5 Installation of doors, door jambs and windows.
- 6 Installation of logos and letterings.
- 7 Installation of sanitary/ plumbing roughing-ins, equipment, fixtures and accessories.
- 8 Installation of electrical roughing-ins, wirings, devices and fixtures.
- 9 Installation of panelboards and accessories.
- 10 Construction of septic tank and electrical service entrance post.
- 11 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	5	t.l.		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	144	sq.m.		
	Temporary Electrical and Water Facilities	150	days		
	Temporary Enclosure Around the Construction Area (H=2.4m)	60	l.m.		
				Direct Cost I	P
II	SITE WORKS				
	Demolition Works				
	Removal of existing CHB wall partition	164	sq.m.		
	Removal of existing roofing and bended accessories	165	sq.m.		
	Removal of existing roof framing	44	sq.m.		
	Removal of tree	1	unit		
	Layout and Staking	81	sq.m.		
	Site Clearing and Preparation	81	sq.m.		
	Excavation				
	Column Footing	35	cu.m.		
	Wall Footing	13	cu.m.		
	Backfill and Compaction	37	cu.m.		
	Imported Earthfill	17	cu.m.		
				Direct Cost	
	Soil Treatment	81	sq.m.		
	Gravel Bedding				
	Column Footing	2	cu.m.		
	Wall Footing	1	cu.m.		
	Slab-on-Fill	4	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				
	Concreting Works				
	Ready Mix Concrete (28 MPa, 3/4" Gravel, 28 Days)				
	Columns	12	cu.m.	P	P
	Footings	7	cu.m.		
	Beams	12	cu.m.		
	Suspended Slab	11	cu.m.		
	Stairs	3	cu.m.		
	On Site Mix Concrete				
	Wall Footings	5	cu.m.		
	Slab-on-fill	11	cu.m.		
	Counter Top	1	cu.m.		
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bars including G.I. Tie Wire #16				
	10mmØ Column Stirrups	586	kg		
	10mmØ Beam Stirrup	596	kg		
	10mmØ Slab-on-fill	352	kg		
	10mmØ Suspended Slab	811	kg		
	10mmØ Stairs	194	kg		
	10mmØ Countertop	24	kg		
	12mmØ Wall Footings	217	kg		
	12mmØ Beam Web Bars	129	kg		
	Grade 60 Reinforcing Steel Bars including G.I. Tie Wire #16				
	16mmØ Column Footing	478	kg		
	16mmØ Column	1,617	kg		
	16mmØ Beams	832	kg		
	Formworks				
	Column Footing	21	sq.m.		
	Column	153	sq.m.		
	Beam	131	sq.m.		
	Suspended Slab	81	sq.m.		
	Stair	12	sq.m.		
	Countertop	3	sq.m.		
	Scaffoldings / Shoring				
	Column	14	l.m.		
	Beam	125	l.m.		
	Suspended Slab	81	sq.m.		
	Stairs	9	sq.m.		
	Masonry Works				
	Laying of 150mm CHB, including Mortar, Reinforcement and Two-face Plastering	230	sq.m.		
	Laying of 100mm CHB, including Mortar, Reinforcement and Two-face Plastering	83	sq.m.		
	Plastering of Doors and Window Openings	163	l.m.		
	PVC Plastering Guide	75	pcs.		
	Thermal and Moisture Protection				
	Cementitious Capillary Type Waterproofing (toilets)	11	sq.m.		
	Metal Works				
	Truss Frame				
	50mm x 50mm x 6mm Angle Bar	770	kg		
	38mm x 38mm x 6mm Angle Bar	413	kg		
	Sway Brace 1				
	50mm x 50mm x 6mm Angle Bar	115	kg		
	38mm x 38mm x 6mm Angle Bar	79	kg		
	Sway Brace 2				
	50mm x 50mm x 6mm Angle Bar	118	kg		
	38mm x 38mm x 6mm Angle Bar	110	kg		
	100mm x 50mm x 2mm Metal Channel Bar	841	kg		
	10mmØ Sag Rod	28	kg		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Fire Exit				
	Landing and Stair Frame				
	63mm x 63mm x 6mm Angle Bar	206	kg		
	Stair Step				
	50mm x 50mm x 6mm Angle Bar	161	kg		
	50mm x 6mm Flat Bar	53	kg		
	Canopy Frame				
	75mm x 50mm x 6mm Tubular Bar	33	kg		
	Canopy Frame/ Top Rail/ Purlins				
	50mm x 50mm x 2mm Tubular Bar	99	kg		
	Railings (Web)				
	25mm x 25mm x 2mm Tubular Bar	90	kg		
	400mm x 250mm x 12.5mm Base Plate	35	kg		
	Stainless Steel Railings				
	Main Stair Railings	5.7	l.m.		
	Main Ramp Railings	3.5	l.m.		
	Kitchen Railings	2.6	l.m.		
	Miscellaneous				
	20mm Ø x 150mm Anchor Bolt	21	pcs		
	Acetylene Tank Refill	4	tanks		
	Assorted Metal Drill Bit	7	pcs		
	Barrel Bolt	2	pcs		
	Cut Off Blade	7	pcs		
	Foot Bolt	1	pc		
	Grinding Disc Metal	7	pcs		
	Hinge (Pillow Block with shaft)	6	pcs		
	Oxygen Tank Refill	8	tanks		
	Welding Rod	5	boxes		
	Roofing Works				
	Pre-painted G.I. Rib Type Roofing	85	sq.m.		
	2mm Polycarbonate Flat Sheet	7	sq.m.		
	Pre-painted G.I. End Flashing	9	l.m.		
	12mm x 300mm Fiber Cement Fascia Board	9	l.m.		
	6mm Thk Thermal Insulation with One-sided Aluminum Foil	85	sq.m.		
	Tekscrew	673	pcs		
	Blind Rivets	810	pcs		
	All Purpose Sealant	3	gals		
				Materials Cost III	P
				Labor Cost III	
				Direct Cost III	P
IV	ARCHITECTURAL WORKS				
	Floor Finishes				
	600mm x 600mm Ceramic Floor Tiles	138	sq.m.	P	P
	300mm x 300mm Floor, Stairs and Countertop Tiles	27	sq.m.		
	Wall Finishes				
	400mm x 400mm Non Skid Ceramic Wall Tiles	37	sq.m.		
	Decorative Stone Finish	14	sq.m.		
	Ceiling Finishes				
	6mm Thk Fiber Cement Board with Complete Framing and Accessories	173	sq.m.		
	Painting Works				
	Epoxy Enamel Finish (Steel Surfaces)	168	sq.m.		
	Elastomeric Paint Finish (Exterior Walls)	251	sq.m.		
	Latex Paint Finish				
	Interior Walls	289	sq.m.		
	Ceiling	158	sq.m.		
	Logos and Letterings				
	QC Logo	1	set		
	Stainless Steel Signage (200mm x 150mm)				
	"UP VILLAGE MULTI-PURPOSE HALL"	26	pcs		
				Materials Cost	P
				Labor Cost	
				Sub-Total	P

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Installation of Doors				
	D1 - 2.10m x 2.00m Aluminum Framed Double Swing Glass Door	1	set		
	D2 - 2.10m x 1.00m Panel Door	2	sets		
	D3- 2.10m x 0.80m Flush Door	1	set		
	D4- 2.10m x 0.80m PVC Type Door	4	sets		
	D5- 2.10m x 1.00m Metal Flush Door	1	set		
	Door Jamb				
	2.10m x 1.00m Wood Jamb	2	sets		
	2.10m x 0.80m Wood Jamb	1	sets		
	2.10m x 1.00m Metal Jamb	1	sets		
	Door Accessories				
	Door Hinge	12	pcs		
	Door Knob	8	sets		
	Installation of Windows				
	W1- 1.40m x 2.00m Aluminum Framed Swing Glass Window	3	sets	P	
	W2- 1.40m x 2.50m Aluminum Frame Powder Coated Awning Type	1	set		
	W3- 1.00m x 1.40m Aluminum Framed Swing and Awning Glass Window	1	set		
				Materials Cost	P
				Labor Cost	
				Sub-Total	P
				Materials Cost IV	P
				Labor Cost IV	
				Direct Cost IV	P
V	SANITARY/ PLUMBING WORKS				
	Sewer Line System/ Storm Drainage System				
	50mm Ø, PVC Pipe with Hub	23	pcs	P	P
	75mm Ø, PVC Pipe with Hub	5	pcs		
	100mm Ø, PVC Pipe with Hub	15	pcs		
	100mm Ø x 50mm Ø, Wye	11	pcs		
	100mm Ø x 75mm Ø, Wye	7	pcs		
	100mm Ø x 100mm Ø, Wye	10	pcs		
	50mm Ø x 50mm Ø, Tee	31	pcs		
	75mm Ø x 50mm Ø, Tee	4	pcs		
	100mm Ø x 50mm Ø, Tee	3	pcs		
	100mm Ø x 100mm Ø, Tee	5	pcs		
	50mm Ø, 1/4 Bend	14	pcs		
	75mm Ø, 1/4 Bend	5	pcs		
	100mm Ø, 1/4 Bend	5	pcs		
	50mm Ø, 1/8 Bend	11	pcs		
	75mm Ø, 1/8 Bend	5	pcs		
	100mm Ø, 1/8 Bend	5	pcs		
	100mm Ø, Cleanout	9	pcs		
	50mm Ø, P-Trap	7	pcs		
	100 Ø x 75 Ø, Reducer	5	pcs		
	Waterline System				
	20mm Ø x 4m, PPR Pipe, PN 16	11	pcs		
	25mm Ø x 4m, PPR Pipe, PN 16	5	pcs		
	20mm Ø x 20mm Ø, Tee Equal	17	pcs		
	25mm Ø x 20mm Ø, Reducer	3	pcs		
	20mm Ø, 90° Elbow	20	pcs		
	25mm Ø, 90° Elbow	3	pcs		
	20mm Ø x 12mm Ø, Female Threaded Tee	5	pcs		
	20mm Ø, End Cap	16	pcs		
	20mm Ø, Union Patent	3	pcs		
	25mm Ø, Union Patent	5	pcs		
	20mm Ø, Coupling	10	pcs		
	25mm Ø, Coupling	5	pcs		
	20mm Ø, Male Adaptor	5	pcs		
	25mm Ø, Male Adaptor	7	pcs		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Valves & Appurtenances				
	20mm Ø, Gate Valve PPR	3	pcs		
	25mm Ø, Gate Valve PPR	2	pcs		
	25mm Ø, Water Meter	1	pc		
	Fixtures (Water Efficient)				
	Water Closet, Tank Type	4	sets		
	Lavatory, Wall-Hung	2	sets		
	Lavatory Faucet	2	pcs		
	Urinal, Flush Valve	2	sets		
	Kitchen Sink, Double	1	set		
	Kitchen Faucet	1	set		
	5 GPM, Grease Trap	1	set		
	Accessories				
	100mm x 100mm Floor Drain	2	pcs		
	Stainless Flexible Hose	9	pcs		
	Stainless Single-Way Angle Valve	5	pcs		
	Stainless Two-Way Angle Valve	4	pcs		
	Stainless Bidet with Accessories	4	set		
	Miscellaneous & Consumables				
	400cc Solvent Cement	5	cans	P	
	All Around Sealant	1	gal		
	Hacksaw Blade	10	pcs		
	Silicon Gun	1	pc		
	Silicon Sealant	6	tubes		
	Teflon Tape	25	pcs		
	Waste Cloth	10	kg		
				Materials Cost V	P
				Labor Cost V	
				Direct Cost V	P
VI	ELECTRICAL WORKS				
	Roughing-ins				
	20mmØ PVC Pipe	97	pc	P	P
	40mmØ PVC Pipe	7	pc		
	32mmØ IMC Pipe	1	pc		
	Fittings and Accessories				
	20mmØ PVC Adaptor	158	pcs		
	20mmØ PVC Elbow	64	pcs		
	20mmØ PVC Locknut & Bushing	158	pair		
	40mmØ PVC Adaptor	4	pcs		
	40mmØ PVC Elbow	2	pcs		
	40mmØ PVC Locknut & Bushing	4	pairs		
	32mmØ IMC Locknut & Bushing	2	pairs		
	32mmØ IMC Coupling	1	pc		
	32mmØ IMC Elbow	1	pc		
	32mmØ Weatherproof Entrance Cap	1	pc		
	16mm Ø x 3000mm Grounding Rod (Copper Clad) with Ground Clamp	1	set		
	Oval Eyebolt	1	pc		
	PVC Junction box	45	pc		
	PVC Utility box	34	pc		

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
	Wires and Cables				
	3.5mm ² THHN Wire	5	rolls		
	30mm ² THHN Wire	60	l.m.		
	3.5mm ² TW Wire	2	rolls		
	8.0mm ² TW Wire	30	l.m.		
	Lighting Fixtures (Energy Efficient)				
	150mm Ø Round Surface Pinlight (case)	17	pcs		
	10W LED Bulb	17	pcs		
	T8, 20W Tube Light	36	pcs		
	T5, 20W Tube Light	2	pcs		
	300mm x 1200mm, Troffer Type, Double, w/ Complete Accessories, Recessed Type Fixture Only	18	pcs		
	300mm x 600mm, Troffer Type, Single, w/ Complete Accessories, Recessed Type Fixture Only	2	pcs		
	Emergency Light, Twin-Head	3	pcs		
	Wall Lamp	4	pcs		
	Wiring Devices and Fixtures				
	Exhaust Fan	4	pcs		
	Convenience Outlet, One-gang with Grounding, Plate and Cover, for ACU	4	pcs		
	Convenience Outlet, Duplex with Grounding, Plate and Cover	17	pcs		
	Switch, One gang, with Plate and Cover	5	pcs		
	Switch, Two gang, with Plate and Cover	4	pcs		
	Switch, Three gang, with Plate and Cover	2	pcs		
	Switch, Three way, One-gang, with Plate and Cover	2	pcs		
	Panelboard				
	MCB				
	Main: 100AT, 100AF, 2P, 18KAIC, 230V, MCCB	1	assy		
	Enclosure: NEMA 3R with Ground Terminals				
	MDP				
	Main: 100AT, 100AF, 2P, 230V, MCCB	1	assy		
	Branches: 4 - 20 AT, 100AF, 2P, 230V, MCCB				
	6 - 30 AT, 100AF, 2P, 230V, MCCB				
	Enclosure: NEMA1 with Ground Terminals				
	Pipe Hangers & Supports				
	Horizontal layout of pipe more or less than 50mmØ	20	l.m.		
	Vertical layout of pipe	5	l.m.		
	Miscellaneous & Consumables				
	All around Sealant	1	qrt	P	
	Electrical Tape	12	pc		
	G.I. Tie Wire, Ga.16 (for Cable Pulling)	1	kg		
	Masking Tape	2	pcs		
	Pulling Lubricant	1	gal		
	Rubber Tape	2	pc		
	Torch w/ Butane	2	sets		
	Welding rod	1	kg		
				Materials Cost VI	P
				Labor Cost VI	
				Direct Cost VI	P
VII	UTILITY AND ANCILLARY WORKS				
	Electrical Service Entrance Post	1	unit		
	Septic Tank (3.80m L x 1.50m W x 1.50m D)	8.55	cu.m.		
				Direct Cost VII	P

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

PROJECT TITLE: PROPOSED CONSTRUCTION OF TWO (2) STOREY MULTI PURPOSE HALL / SK HALL

LOCATION : BARANGAY UP VILLAGE, DISTRICT 4, QUEZON CITY

PROJECT NO. : 20 - 000141

DURATION : One Hundred Fifty (150) Calendar Days

BREAKDOWN OF COST

ITEM NO.	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	SANITARY/ PLUMBING WORKS				
VI	ELECTRICAL WORKS				
VII	UTILITY AND ANCILLARY WORKS				

TOTAL COST ₱ _____

LUMP SUM BID IN WORDS : _____

Contractor : _____