

**BILL OF QUANTITIES**  
(Building Construction/Rehabilitation Project)

**PROJECT TITLE :** PROPOSED CONSTRUCTION OF MULTI-PURPOSE BUILDING  
**LOCATION :** BARANGAY NAGKAISANG NAYON, DISTRICT 5, QUEZON CITY  
**PROJECT NO. :** 20 - 00139  
**DURATION :** One Hundred Eighty (180) Calendar Days

**SCOPE OF WORKS:**

- 1 General Requirements include Billboard, Clearing, Hauling and Disposal of Construction Materials and Debris, Construction Safety Health Equipment, Scaffolding, and Temporary Facilities and Utilities
- 2 Site Works include Site Clearing, Layout and Staking and Preparation of Earthworks
- 3 Construction/Installation of Utilities and Anciliaries including Septic Tank, Catch Basins and Reinforced Concrete Pipes
- 4 Installation of Stair Railings and Hallway Railings
- 5 Installation of Main Roofing and Stair Canopy including Accessories and Heat Insulation
- 6 Installation of Ceiling including Metal Framings and Accessories
- 7 Installation of Doors, Door Jambs and Windows
- 8 Installation of Stainless Logo and Letterings with Neon Backlights
- 9 Installation of Sanitary/Plumbing Pipelines, Fixtures and Accessories
- 10 Installation of Electrical Pipes, Wirings, Devices, Fixtures and Accessories
- 11 Installation of Panel Board and Accessories
- 12 Painting of Whole Structure
- 13 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
<b>I</b>	<b>GENERAL REQUIREMENTS</b>				
A	Billboard	1	unit	P	P
B	Clearing, Hauling and Disposal of Construction Materials and Debris	9	t.l.		
C	Construction Safety and Health Equipment	1	unit		
D	Scaffolding (Rental)	126	sq.m.		
E	Temporary Electrical and Water Facilities	180	days		
F	Temporary Enclosure around the Construction Area (H=2.4m)	44	lm		
				<b>Direct Cost I</b>	<b>P</b>
<b>II</b>	<b>SITE WORKS</b>				
A	Site Clearing and Preparation	85	sq.m.	P	P
B	Layout and Staking	85	sq.m.		
C	Excavation for Structures				
	Footing	22	cu.m.		
	Wall Footing	14	cu.m.		
	Reinforced Concrete Pipe	18	cu.m.		
				Subtotal	P
D	Soil Treatment	85	sq.m.	P	P
E	Gravel Bedding	5	cu.m.		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
F	Backfill and Compaction	82	cu.m.	P 455.00	P
				Subtotal	P
				<b>Materials Cost II</b>	<b>P</b>
				<b>Labor Cost II</b>	
				<b>Direct Cost II</b>	<b>P</b>

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
<b>III</b>	<b>CIVIL WORKS / STRUCTURAL WORKS</b>				
A	Concrete Works				
	Ready Mix Concrete, 28MPa, 3/4" Gravel, 28days				
	Footing	4	cu.m.	P	P
	Wall Footing	5	cu.m.		
	Column	7	cu.m.		
	Beam	9	cu.m.		
	Slab-on-Fill	6	cu.m.		
	Suspended Slab	8	cu.m.		
	Stairs (Main)	2	cu.m.		
	Stair Steps (Entrance & Side)	1	cu.m.		
	On Site Mix Concrete (Canopy)	2	cu.m.		
B	Reinforcing Steel Bar				
	Grade 40 Reinforcing Steel Bar including G.I. Tie Wire Ga. 16				
	10mm Ø Reinforcing Steel Bar				
	Wall Footing	334	kgs		
	Column	922	kgs		
	Beam	532	kgs		
	Slab-on-Fill	227	kgs		
	Suspended Slab	258	kgs		
	Stairs (Main)	59	kgs		
	Stair Steps (Entrance & Side)	20	kgs		
	Canopy	20	kgs		
	12mm Ø Reinforcing Steel Bar				
	Wall Footing	263	kgs		
	Suspended Slab	735	kgs		
	Stairs (Main)	139	kgs		
	Canopy	62	kgs		
	Grade 60 Reinforcing Steel Bar including G.I. Tie Wire Ga. 16				
	16mm Ø Reinforcing Steel Bar				
	Footing	190	kgs		
	Column	737	kgs		
	Beam	1389	kgs		
C	Formworks				
	Column	74	sq.m.		
	Beam	100	sq.m.		
	Suspended Slab	60	sq.m.		
	Stairs (Main)	17	sq.m.		
	Stair Steps (Entrance & Side)	3	sq.m.		
	Canopy	16	sq.m.		
D	Scaffolding and Shoring				
	Column	56	lm		
	Beam	100	lm		
	Suspended Slab	60	sq.m.		
	Stairs (Main)	9	sq.m.		
	Canopy	17	sq.m.		
E	Masonry Works				
	100mm CHB Laying including Mortar, Reinforcement and One-Face Plastering	7	sq.m.		
	100mm CHB Laying including Mortar, Reinforcement and Two-Face Plastering	31	sq.m.		
	150mm CHB Laying including Mortar, Reinforcement and Two-Face Plastering	259	sq.m.		
	Plastering of Door and Window Openings	123	lm		
F	Thermal and Moisture Protection				
	Vapor Barrier	85	sq.m.		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
G	Metal Works				
	Hallway Railings, Stair Railings & Stair Canopy				
	25mm Ø B.I. Pipe	161	kgs		
	40mm Ø B.I. Pipe	411	kgs		
	100mm Ø B.I. Pipe	340	kgs		
	50mm Ø Stainless Steel Handrail with Complete Accessories	3	lm		
	Roof Framing				
	50mm x 150mm x 6mm Tubular Bar	2,118	kgs		
	50mm x 100mm Metal C Purlin	649	kgs		
	12mm Ø Sag Rod	25	kgs		
	Main Canopy				
	50mm x 100mm x 6mm Tubular Bar	222	kgs		
	50mm x 100mm Metal C Purlin	44	kgs		
	12mm Ø Sag Rod	3	kgs		
	Miscellaneous and Consumables				
	Acetylene Tank Refill	2	tanks		
	Assorted Metal Drill Bit	3	pcs		
	Cut Off Blade	5	pcs		
	Grinding Disc Metal	5	pcs		
	Oxygen Tank Refill	2	tanks		
	Welding Rod	3	boxes		
H	Roofing Works				
	Pre-painted Rib Type G.I. Roofing	97	sq.m.		
	Pre-painted G.I. Flashing	40	lm		
	Pre-painted G.I. Gutter (Main Canopy)	21	lm		
	Polycarbonate Roofing	14	sq.m.		
	300mm x 12mm thick Fascia Board	56	lm		
	6mm thick Thermal Insulation, One-Sided Aluminum Foil	97	sq.m.		
	Tekscrew	643	pcs		
	Silicon Sealant	14	tubes		
				<b>Materials Cost III</b>	<b>P</b>
				<b>Labor Cost III</b>	
				<b>Direct Cost III</b>	<b>P</b>
<b>IV</b>	<b>ARCHITECTURAL WORKS</b>				
A	Floor Finishes				
	300mm x 300mm Non-Skid Ceramic Floor Tiles	32	sq.m.		
	600mm x 600mm Non-Skid Floor Tiles	105	sq.m.		
B	Wall Finishes				
	12mm Groove Line	100	lm		
	300mm x 600mm Non-Skid Ceramic Wall Tile	16	sq.m.		
	Tooled Finish	29	sq.m.		
C	Ceiling Finishes				
	6mm thick Fiber Cement Board with Complete Framings and Accessories	156	sq.m.		
	12mm thick Moisture Resistant Gypsum Board with Complete Framings and Accessories	5	sq.m.		
				Materials Cost	P
				Labor Cost	
				Subtotal	P

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
E	Installation of Doors				
	Doors				
	D1 - 1.2m x 2.1m 180° Swing Type Double Leaf Glass Door on Powder Coated Aluminum Frame	1	set	P	P
	D2 - 0.8m x 2.1m Swing Type Flush Door	1	set		
	D3 - 0.8m x 2.1m PVC Flush Door with Louvers	1	set		
	D4 - 1.7m x 2.1m Sliding Glass Door on Powder Coated Aluminum Frame	2	sets		
	Door Jambs				
	D2 - 0.8m x 2.1m Wooden Door Jamb	11	sets		
	Hardwares and Accesoories				
	Door Knob	2	sets		
	Door Hinge	5	pcs		
F	Installation of Windows				
	W1 - 2.4m x 1.2m Casement Type Glass Window on Powder Coated Aluminum Frame	1	set		
	W2 - 1.6m x 1.2m Casementy Type Glass Window on Powder Coated Aluminum Frame	11	sets		
	W3 - 0.8m x 1.68m Awning Type Glass Window on Powder Coated Aluminum Frame	2	sets		
	W4 - 0.6m x 0.45m Awning Type Glass Window on Powder Coated Aluminum Frame	1	set		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
G	Painting Works				
	Elastomeric Paint Finish (Exterior Wall)	245	sq.m.	P	P
	Flat Latex Paint Finish				
	Interior Wall	255	sq.m.		
	Ceiling	171	sq.m.		
	Eaves	57	sq.m.		
	Epoxy Enamel Paint Finish				
	Stair Railings	7	sq.m.		
	Hallway Railings	10	sq.m.		
	Red Oxide Metal Primer (Roof Framings)	69	sq.m.		
H	Logos and Letterings				
	Quezon City Logo	1	set		
	Stainless Steel Lettering with Neon Backlights "MULTI PURPOSE BUILDING"	20	sets		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
				<b>Materials Cost IV</b>	<b>P</b>
				<b>Labor Cost IV</b>	
				<b>Direct Cost IV</b>	<b>P</b>

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
V	<b>SANITARY AND PLUMBING WORKS</b>				
A	Sanitary Line / Sewer Line / Storm Drainage System				
	50mm Ø PVC Standard Hub Pipe	12	pcs	P	P
	75mm Ø PVC Standard Hub Pipe	40	pcs		
	100mm Ø PVC Standard Hub Pipe	8	pcs		
	50mm Ø x 50mm Ø PVC Wye	4	pcs		
	75mm Ø x 50mm Ø PVC Wye	10	pcs		
	100mm Ø x 50mm Ø PVC Wye	6	pcs		
	100mm Ø x 100mm Ø PVC Wye	5	pcs		
	50mm Ø x 50mm Ø PVC Tee	10	pcs		
	75mm Ø x 50mm Ø PVC Tee	2	pcs		
	100mm Ø x 50mm Ø PVC Tee	5	pcs		
	100mm Ø x 100mm Ø PVC Tee	3	pcs		
	50mm Ø x 50mm Ø PVC 1/4 Bend	10	pcs		
	75mm Ø x 75mm Ø PVC 1/4 Bend	16	pcs		
	100mm Ø x 100mm Ø PVC 1/4 Bend	5	pcs		
	50mm Ø x 50mm Ø PVC 1/8 Bend	15	pcs		
	75mm Ø x 75mm Ø PVC 1/8 Bend	56	pcs		
	100mm Ø x 100mm Ø PVC 1/8 Bend	6	pcs		
	50mm Ø x 32mm Ø PVC Tap Tee	1	pcs		
	75mm Ø PVC Cleanout	3	pcs		
	100mm Ø PVC Cleanout	6	pcs		
	50mm Ø PVC P-Trap	2	pcs		
B	Waterline System				
	20mm Ø PPR Pipe	4	pcs		
	25mm Ø PPR Pipe	6	pcs		
	25mm Ø x 20mm Ø Unequal Tee	2	pcs		
	25mm Ø x 20mm Ø Female Threaded Tee	2	pcs		
	20mm Ø PPR Male Adaptor	2	pcs		
	25mm Ø Male Adaptor	6	pcs		
	20mm Ø End Cap	5	pcs		
	20mm Ø x 20mm Ø PPR 90° Elbow	5	pcs		
	25mm Ø x 25mm Ø PPR 90° Elbow	15	pcs		
	25mm Ø Union Patente	3	pcs		
	20mm Ø PPR Coupling	5	pcs		
	25mm Ø PPR Coupling	14	pcs		
	25mm Ø x 20mm Ø PPR Reducer	2	pcs		
C	Valves & Appurtenances				
	20mm Ø PPR Gate Valve	1	pc		
	25mm Ø PPR Gate Valve	1	pc		
	25mm Ø Check Valve	1	pc		
	25mm Ø Water Meter	1	pc		
D	Fixtures (Water Efficient)				
	Water Closet, Tank Type	1	set		
	Lavatory Wall Hung	1	set		
	Stainless Bidet	1	set		
	Stainless Lavatory Faucet	1	pc		
	Accessories & Hardwares				
	Stainless Flexible Hose	2	pcs		
	Stainless Single-Way Angle Valve	1	pc		
	Stainless Two-Way Angle Valve	1	pc		
	100mm x 100mm Stainless Flat Floor Drain	1	pc		
	50mm Ø Roof Drain	4	pcs		
	75mm Ø Roof Drain	10	pcs		
	75mm Ø Deck Drain	4	pcs		
	Ceramic Soap Holder	1	pc		
	Ceramic Toilet Tissue Holder	1	pc		
	Downspout Bracket	70	pcs		
	450mm x 600mm x 6mm Facial Mirror	1	pc		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
E	Miscellaneous & Consumables				
	400cc PVC Solvent Cement	14	cans		
	1000cc All Purpose Sealant	1	can		
	Waste Cloth	1	kg		
	Hacksaw Blade	3	pcs		
	Teflon Tape	15	rolls		
				<b>Materials Cost V</b>	<b>P</b>
				<b>Labor Cost V</b>	
				<b>Direct Cost V</b>	<b>P</b>
<b>VI</b>	<b>ELECTRICAL WORKS</b>				
A	Roughing-ins, Pipes and Fittings				
	20mmØ PVC Pipe	79	pcs	P	P
	32mmØ PVC Pipe	3	pcs		
	25mmØ IMC Pipe	2	pcs		
	20mmØ PVC Adaptor	49	pcs		
	20mmØ PVC Locknut & Bushing	98	pcs		
	32mmØ PVC Adaptor	2	pcs		
	32mmØ PVC Locknut & Bushing	4	pcs		
	25mmØ IMC Locknut & Bushing	2	pcs		
	25mmØ IMC Coupling	1	pc		
	25mmØ IMC Elbow	1	lm		
	25mmØ Weatherproof Entrance Cap	1	pc		
	16mm Ø x 3000mm Grounding Rod (Copper Clod) with Ground Clamp	1	pc		
	PVC Junction box	23	pcs		
	PVC Utility box	26	pcs		
B	Wires & Cables				
	3.5mm² TW Wire	1	roll		
	5.5mm² TW Wire	15	lm		
	3.5mm² THHN Wire	4	rolls		
	14mm² THHN Wire	30	lm		
C	Lighting fixtures (Energy Efficient)				
	150mm Ø Round Surface Pinlight (case)	1	pc		
	10W LED bulb	1	pc		
	T8, 20W Tube light	12	pcs		
	300mm x 1200mm Troffer Type, Single Recessed Type Fixture Only with Complete Accessories	15	pcs		
	Emergency Light, Twinhead	2	pcs		
	Triangular Façade with 20W LED	2	assy		
D	Wiring Devices and Fixtures				
	Exhaust Fan	1	pc		
	Orbit Fan, Heavy Duty	4	sets		
	Duplex Convenience Outlet with Grounding	12	pcs		
	Switch, Selector Type	4	pcs		
	Switch with Plate & Cover, One Gang	3	pcs		
	Switch with Plate & Cover, Two Gang	2	pcs		
	Switch with Plate & Cover, Three Gang	3	pcs		
	Switch with Plate & Cover, Three way	2	pcs		

ITEM NO	WORK DESCRIPTION AND SCOPE OF WORKS	QTY	UNIT	UNIT COST	TOTAL COST
E	Panelboard				
	MCB				
	Main: 60AT, 100AF, 2P, 25KAIC, 240V, MCCB	1	assy		
	Enclosure: NEMA 3R with Ground Terminals				
	MDP				
	Main: 60 AT, 100AF, 2P, 240V, MCCB	1	assy		
	Branches: 4 - 20 AT, 100AF, 2P, 230V, MCCB				
	2 - Spare				
	Enclosure: NEMA1 with Ground Terminals				
F	Miscellaneous & Consumables				
	All Around Sealant	2	qrts		
	Electrical Tape	9	rolls		
	Masking Tape	1	roll		
	Pulling Lubricant	1	gal		
	Rubber Tape	1	roll		
	Tie Wire, Ga.16 (for cable pulling)	1	kg		
	Torch with Butane	1	set		
	Welding Rod	1	kg		
				<b>Materials Cost VI</b>	<b>P</b>
				<b>Labor Cost VI</b>	
				<b>Direct Cost VI</b>	<b>P</b>
<b>VII</b>	<b>UTILITIES AND ANCILLARY WORKS</b>				
	460mm Ø Manhole	4	units	P	P
	460mm Ø Area Drain/Catch Basin	4	units		
	460mm Ø Reinforced Concrete Pipe	36	lm		
	Septic Tank (2500mm x 1550mm x 2100mm)	6	cu.m.		
				<b>Direct Cost VII</b>	<b>P</b>

**SUMMARY**

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

**PROJECT TITLE :** PROPOSED CONSTRUCTION OF MULTI PURPOSE BUILDING  
**LOCATION :** BARANGAY NAGKAISANG NAYON, DISTRICT 5, QUEZON CITY  
**PROJECT NO. :** 20 - 00139  
**DURATION :** One Hundred Eighty (180) 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 AND PLUMBING WORKS				
VI	ELECTRICAL WORKS				
VII	UTILITIES AND ANCILLARY WORKS				

**TOTAL COST ₱**

LUMP SUM BID IN WORDS : \_\_\_\_\_  
 \_\_\_\_\_

Contractor : \_\_\_\_\_