

BILL OF QUANTITIES
(Building Construction/Rehabilitation Project)

PROJECT TITLE : PROPOSED RENOVATION OF YWCA FOR USE OF WOMEN'S & CHILDREN'S SHELTER (PHASE 2)

LOCATION : BARANGAY HOLY SPIRIT, DISTRICT 2, QUEZON CITY

PROJECT NO. : 20 - 00143

DURATION : Ninety (90) Calendar Days

SCOPE OF WORK

I General requirement include temporary facilities and utilities, billboard, construction safety and health, scaffolding, and clearing, hauling and disposal of construction materials and debris.

II BOY'S ROOM AT GROUND FLOOR.

- A Construction of partition wall.
- B Painting works of affected area.
- C Installation of 3D wall paper.
- D Adjustment of comfort room area.

III RECEIVING AREA.

- A Installation of 3D wall paper.
- B Installation of electrical roughing-ins, wirings, devices and fixtures.

IV DORMITORY AT 2ND FLOOR.

- A Installation of 3D and ordinary wall paper.
- B Installation of artificial plant wall cladding.

V CONSTRUCTION OF KITCHEN AND LAUNDRY FACILITY.

- A Site works include site clearing, layout and staking, and earthworks.
- B Civil and Structural Works include concrete works, masonry works, metal fabrication, roofing works.
- C Provision of thermal proofing and vapor barrier.
- D Architectural works include floor finish, wall finishes, ceiling finishes, carpentry works, and painting works
- E Installation of doors, door jambs, and windows.
- F Installation of sanitary/plumbing roughing-ins, equipment, fixtures and accessories.
- G Installation of electrical roughing-ins, wirings, devices and fixtures.
- H Installation of panelboard and its accessories.

VI CONSTRUCTION OF PERIMETER FENCE

- A Site works include site clearing, layout and staking, and earthworks.
- B Civil and structural works include concrete works, masonry works, metal fabrication, roofing works.
- C Provision of thermal proofing and vapor barrier.
- D Architectural works including painting works.

IV All necessary testing of materials and commissioning works must be performed as per standard procedures.

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
I	GENERAL REQUIREMENTS				
	Billboard	1	pc	₱	₱
	Clearing, Hauling and Disposal of Construction Materials and Debris	9	t.l.		
	Construction Safety and Health	1	unit		
	Scaffolding (Rental)	76	sq.m.		
	Temporary Electrical and Water Facilities	90	day		
	Temporary Enclosure Around the Construction Area (h=2.4)	106	l.m.		
				Direct Cost I	₱
II.	BOY'S ROOM AT GROUND FLOOR				
A.	Civil Works				
	Masonry Works				
	100mm CHB Laying including Mortar, Reinforcement and Two-Face Plastering	11	sq.m.	₱	₱

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
B.	Architectural Works				
	Wall Finishes				
	3D Brick Wall Paper	16	sq.m	₱	₱
	6mm thk Fibercement Board on Metal Studs Tiles (Double Wall)	36	sq.m		
	Painting Works				
	Latex Paint Finish (Interior Walls)	44	sq.m.		
				Materials Cost	₱
				Labor Cost	
				Direct Cost	₱
	Installation of Doors				
	D1 - 2.10m x 0.90m Panel Door	1	set	₱	₱
	Door Jambs				
	D1 - 2.10m x 0.90m Panel Door	1	set		
	Door Accessories				
	Door Hinges	3	pcs		
	Door Knob	1	sets		
				Materials Cost	₱
				Labor Cost	
				Direct Cost	₱
				Materials Cost II	₱
				Labor Cost II	
				Direct Cost II	₱
III.	RECEIVING AREA				
A.	Architectural Works				
	Wall Finishes				
	3D Wall Paper with Wooden Plank Accent (Brick Design)	11	sq.m	₱	₱
				Materials Cost A	₱
				Labor Cost A	
				Direct Cost A	₱
B.	Electrical Works				
	Roughing-ins				
	16mm x 16mm x 2.44m Rectangular PVC Moulding	100	pcs	₱	₱
	Fittings and Accessories				
	Amco box	1	pcs		
	PVC Junction box	2	pcs		
	Wires and Cables				
	3.5mm ² THHN Wire	60	l.m		
	Lighting Fixtures (Energy Efficient)				
	3x5W Lighting Accent w/ Energy Efficient Lighting Fixture	1	set		
	18W Track Light w/ Energy Efficient Lighting Fixture	1	pc		
	Wiring Devices and other fixtures				
	Switch w/ plate & cover, Two pole	1	pcs		
	Pipe Hangers & Supports				
	Horizontal layout of pipe	10	l.m		
	Vertical layout of pipe	5	l.m		
	Miscellaneous & Consumables				
	Electrical Tape	2	roll		
	Hacksaw Blade	1	pcs.		
	Masking Tape	1	roll		
	Rubber Tape	1	roll		
				Materials Cost B	₱
				Labor Cost B	
				Direct Cost B	₱
				Materials Cost III	₱
				Labor Cost III	
				Direct Cost III	₱

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
IV.	DORMITORY AT 2ND FLOOR				
A	Architectural Works				
	Wall Finishes				
	3D Brick Wall Paper	24	sq.m	₱	₱
	Wall Cladding - Artificial Plants	9	sq.m		
	Floral Wall Paper	41	sq.m		
				Materials Cost IV	₱
				Labor Cost IV	
				Direct Cost IV	₱
V.	CONSTRUCTION KITCHEN AND LAUNDRY				
A	Site Works				
	Layout and Staking	25	sq.m.	₱	₱
	Site Clearing and Preparation	25	sq.m.		
	Excavation for Structures				
	Column Footing	7	cu.m.		
	Wall Footing	9	cu.m.		
	Slab-On-Fill	3	cu.m.		
				Subtotal	₱
	Soil Treatment	28	sq.m.	₱	₱
	Gravel Bedding	2	cu.m.		
				Materials Cost	₱
				Labor Cost	
				Subtotal	₱
	Backfill and Compaction	14	cu.m.	₱	₱
				Subtotal	₱
				Materials Cost A	₱
				Labor Cost A	
				Direct Cost A	₱
B.	Civil/ Structural Works				
	Concrete Works				
	Ready Mix Concrete, 21 Mpa, 3/4" Gravel, 28days				
	Column Footing	3	cu.m.	₱	₱
	Wall Footing	3	cu.m.		
	Column	3	cu.m.		
	Slab-On-Fill	2	cu.m.		
	Beam	3	cu.m.		
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bar with G.I. Tie Wire #16				
	10mmØ Reinforcing Steel Bar				
	10mmØ Column	137	kg		
	10mmØ Slab-On-Fill	101	kg		
	10mmØ Beam	93	kg		
	12mmØ Wall Footing	150	kg		
	Grade 60 Reinforcing Steel Bar with G.I. Tie Wire #16				
	16mmØ Column Footing	180	kg		
	16mmØ Column	398	kg		
	16mmØ Beam	370	kg		
	Formworks				
	Column	40	sq.m.		
	Beam	27	sq.m.		
	Scaffolding and Shoring				
	Column	28	l.m.		
	Beam	27	l.m.		
	Masonry Works				
	150mm CHB Laying including Mortar, Reinforcement and Two-Face Plastering	49	sq.m.		
	Floor Topping Preparation for Tiles	26	sq.m.		
	Plastering of Door and Window Opening	37	l.m.		

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Thermal and Moisture Protection				
	Vapor Barrier	25	sq.m.		
	Cementitious Capillary Type Waterproofing	33	sq.m.		
	Metal Works				
	50mm x100mm x 1.4mm Channel Bar	212	kg		
	37.5mm x 37.5mm x 6mm Angle Bar	297	kg		
	50mm x 25mm x 6mm Angle Bar	86	kg		
	12.5mm x 12.5mm Square Bar	249	kg		
	10mmØ Sagrod	26	kg		
	Miscellaneous and Consumables				
	Acetylene Tank Refill	2	tanks		
	Assorted Metal Drill Bit	6	pcs		
	Barrel Bolt	2	pcs		
	Cut Off Blade	4	pcs		
	Grinding Disc Metal	4	pcs		
	Hinge	2	pcs		
	Oxygen Tank Refill	4	tanks		
	Welding Rod	3	boxes		
	Roofing Works				
	Pre-Painted Rib Type G.I Roofing	64	sq.m.		
	Pre-Painted G.I. Flashing	25	l.m.		
	Pre-Painted G.I. Ridge Roll	6	l.m.		
	12.5mm x 300mm Fascia Board	25	l.m.		
	Blind Rivets	125	pcs		
	Tekscrew	250	pcs		
	Silicon Sealant	2	tube		
				Materials Cost B	₱
				Labor Cost B	
				Direct Cost B	₱
C	Architectural Works				
	Floor Finishes				
	600mm x 600mm Ceramic Floor Tiles	26	sq.m.	₱	₱
	300mm x 300mm Countertop Tiles	3	sq.m.		
	Wall Finishes				
	300mm x 300mm Non Skid Ceramic Wall Tiles	4	sq.m.		
	Ceiling Finishes				
	6mm Thk Fiber Cement Board with Complete Framing and Accessories	26	sq.m.		
	Carpentry Works				
	Undercounter Cabinet				
	19mm Marine Plywood	2	pcs		
	50mm x 50mm Good Lumber	6	pcs		
	Door Cabinet Hinge	12	pcs		
	Door Cabinet Knob	6	pcs		
	Assorted CWN	1	kgs		
	Shelves				
	19mm Marine Plywood	3	pcs		
	50mm x 50mm Good Lumber	4	pcs		
	Shelf Bracket	12	pcs		
	Assorted CWN	2	kgs		
	Painting Works				
	Epoxy Enamel (Steel Surfaces)	14	sq.m.		
	Elastomeric Paint (Exterior Walls)	23	sq.m.		
	Latex Paint Finish (Interior Walls)				
	Interior Walls	44	sq.m.		
	Ceiling	26	sq.m.		
	Epoxy Enamel Paint Finish (Electrical Works)	1	sq.m.		
				Materials Cost	₱
				Labor Cost	
				Subtotal	₱

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Installation of Doors				
	D1 - 2.10m x 0.90m Metal Flush Door	1	set	₱	₱
	D2 - 2.10m x 0.90m Panel Door	1	set		
	Door Jambs				
	D1 - 2.10m x 0.90m Metal Flush Door	1	set		
	D2 - 2.10m x 0.90m Panel Door	1	set		
	Door Accessories				
	Door Knob	1	sets		
	Barrel Bolt	2	sets		
				Materials Cost	₱
				Labor Cost	
				Sub-Total	₱
				Materials Cost C	₱
				Labor Cost C	
				Direct Cost C	₱
D	Sanitary/ Plumbing Works				
	Sewer Line / Storm Drainage System				
	50mm Ø PVC Pipe with Hub	5	pcs	₱	₱
	75mm Ø PVC Pipe with Hub	5	pcs		
	100mm Ø PVC Pipe with Hub	2	pcs		
	150mm Ø PVC Pipe with Hub	9	pcs		
	100mm Ø x 50mm Ø Wye	4	pcs		
	100mm Ø x 75mm Ø Wye	5	pcs		
	50mm Ø x 50mm Ø Tee	4	pcs		
	50mm Ø 1/4 Bend	10	pcs		
	75mm Ø 1/4 Bend	2	pcs		
	50mm Ø 1/8 Bend	9	pcs		
	75mm Ø 1/8 Bend	6	pcs		
	100mm Ø 1/8 Bend	6	pcs		
	100mm Ø Cleanout	2	pcs		
	50mm Ø P-Trap	2	pcs		
	Waterline System				
	20mm Ø PPR Pipe, PN16	11	pcs		
	25mm Ø PPR Pipe, PN16	26	pcs		
	20mm Ø x 20mm Ø PPR Tee Equal	8	pcs		
	25mm Ø x 20mm Ø PPR Unequal	5	pcs		
	25mm Ø x 20mm Ø PPR Reducer	2	pcs		
	20mm Ø PPR 90° Elbow	20	pcs		
	25mm Ø PPR 90° Elbow	6	pcs		
	20mm Ø x 12mm Ø Female Threaded Tee	8	pcs		
	20mm Ø End Cap	8	pcs		
	20mm Ø Union Patent	1	pcs		
	25mm Ø Union Patent	1	pcs		
	20mm Ø Coupling	3	pcs		
	25mm Ø Coupling	7	pcs		
	20mm Ø Male Adaptor	3	pcs		
	25mm Ø Male Adaptor	3	pcs		
	Valves and Appurtenances				
	20mm Ø Gate Valve PPR	1	pc		
	25mm Ø Gate Valve PPR	1	pc		
	Fixtures (Water Efficient)				
	Stainless Kitchen Sink (Double Tub)	1	set		
	Kitchen Sink Faucet	2	pcs		

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Accessories				
	Flexible Hose	2	pcs		
	Single-Way Angle Valve	2	pcs		
	Hardwares and Accessories				
	100mm Ø x 100mm Ø Floor Drain	1	pcs		
	No-Hub Coupling	5	pcs		
	50GPM Heavy Duty Grease Trap with Accessories	1	set		
	Miscellaneous and Consumables				
	1000cc All-Around Sealant	2	cans		
	400cc Solvent Cement	2	cans		
	Hacksaw Blade	5	pcs		
	Teflon Tape	7	roll		
	Waste Cloth	2	kg		
				Materials Cost D	₱
				Labor Cost D	
				Direct Cost D	₱
E	Electrical Works				
	Roughing-ins,				
	20mmØ PVC Pipe	30	pcs	₱	₱
	32mmØ IMC Pipe	2	pcs		
	Fittings and Accessories				
	20mmØ PVC Adaptor	35	pcs		
	20mmØ PVC Elbow	12	pcs		
	20mmØ PVC Locknut & Bushing	35	pairs		
	32mmØ IMC Coupling	2	pcs		
	32mmØ IMC Elbow	2	pcs		
	32mmØ IMC Locknut & Bushing	2	pairs		
	32mmØ Weatherproof Entrance Cap, Diecast	1	pc		
	PVC Junction box	4	pcs		
	PVC Utility box	13	pcs		
	Wires and Cables				
	3.5mm² THHN Wire	2	roll		
	30mm² THHN Wire	50	l.m.		
	8.0mm² TW Wire	25	l.m.		
	Lighting Fixtures (Energy Efficient)				
	T8, 20W Tube light	8	pcs		
	Wiring Devices and other fixtures				
	Box type, double, T8 (casing only) w/ complete accessories	4	pcs		
	Convenience Outlet with Grounding, Two-gang	1	pc		
	Convenience Outlet with Grounding, One-gang, Weatherproof type	7	pcs		
	Convenience Outlet with Grounding, One-gang, for Range	1	pc		
	Convenience Outlet with Grounding, Two-gang	1	pc		
	Switch w/ plate & cover, Two gang	2	pcs		
	Wall Fan	2	sets		

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Panelboard				
	LPP				
	Main: 70 AT, 100AF, 2P, 230V, 10 KAIC, MCCB Branches: 4 - 20 AT, 100AF, 2P, 230V, MCCB 1 - 40 AT, 100AF, 2P, 230V, MCCB 1 - Spare Enclosure: NEMA 1 with Ground Terminals	1	set		
	Pipe Hangers & Supports				
	Horizontal layout of pipe	45	l.m		
	Vertical layout of pipe	6	l.m		
	Miscellaneous & Consumables				
	400cc PVC Solvent Cement	1	can		
	Electrical Tape	4	roll		
	Hacksaw Blade	2	pcs.		
	Masking Tape	1	roll		
	Pulling Lubricant	1	can		
	Rubber Tape	1	roll		
	Tie Wire, Ga.16	1	kg		
	Torch with Butane	1	set		
				Materials Cost E	P
				Labor Cost E	
				Direct Cost E	P
F	Utility and Ancillary Works				
	Trench with Grating (W =0.6m)	4	l.m.	P	P
				Direct Cost F	P
				Materials Cost V	P
				Labor Cost V	
				Direct Cost V	P
VI.	CONSTRUCTION OF PERIMETER FENCE				
A	Site Works				
	Earth Works				
	Layout and Staking	113	sq.m.	P	P
	Site Clearing and Preparation	113	sq.m.		
	Excavation for Structures				
	Column Footing	143	cu.m.		
	Grade Beam	49	cu.m.		
				Subtotal	P
	Gravel Bedding	8	cu.m.		
				Materials Cost	P
				Labor Cost	
				Subtotal	P
	Backfill and Compaction	162	cu.m.	P	P
				Subtotal	P
				Materials Cost A	P
				Labor Cost A	
				Subtotal A	P
B	Civil/ Structural Works				
	Concrete Works				
	Ready Mix Concrete 21 MPa, 3/4" Gravel, 28 days				
	Column Footing	20	cu.m.	P	P
	Column	15	cu.m.		
	Grade Beam	24	cu.m.		
	Lintel Beam	12	cu.m.		

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
	Reinforcing Steel Bars				
	Grade 40 Reinforcing Steel Bar with G.I. Tie Wire #16				
	12mmØ Reinforcing Steel Bar				
	12mmØ Column	1,456	kg		
	12mmØ Grade Beam	2,802	kg		
	12mmØ Lintel Beam	1,401	kg		
	Grade 60 Reinforcing Steel Bar with G.I. Tie Wire #16				
	16mmØ Column Footing	1,224	kg		
	16mmØ Column	2,433	kg		
	16mmØ Grade Beam	3,353	kg		
	16mmØ Lintel Beam	1,291	kg		
	Formworks				
	Column	240	sq.m.		
	Grade Beam	237	sq.m.		
	Lintel Beam	119	sq.m.		
	Scaffolding and Shoring				
	Column	274	l.m.		
	Lintel Beam	119	l.m.		
	Masonry Works				
	150mm CHB Laying including Mortar, Reinforcement and Two-Face Plastering	354	sq.m.		
	Metal Works				
	20mmx20mmx4mm Tubular bar	7,909	kgs		
	25mmx75mmx4mm Tubular bar	3,853	kgs		
	50mmx100mmx4mm Tubular bar	548	kgs		
	G.I Plain Sheet	675	kgs		
	25mmx25mmx3.25	1	kgs		
	25mmx75mmx6.25	2	kgs		
	50mmx75mmx6.25	6	kgs		
	32mmx3.25mm round pipe	5	kgs		
	13mmØ plain round bar	3	kgs		
	Cylindrical Hinge	27	pcs		
	Flat Diamond bar	1,999	pcs		
	Miscellaneous & Consumables				
	Assorted Metal Drill Bit	10	pcs		
	Cut Off Blade	5	pcs		
	Grinding Disc	10	pcs		
	Hacksaw Blade	10	pcs		
	Welding Rod	22	boxes		
				Materials Cost B	₱
				Labor Cost B	
				Subtotal B	₱
C	Architectural Works				
	Painting Works				
	Elastomeric Paint Finish (Exterior Walls)	708	sq.m.	₱	₱
	Epoxy Enamel Finish (Steel Members)	520	sq.m.		
				Materials Cost C	₱
				Labor Cost C	
				Subtotal C	₱
				Materials Cost VI	₱
				Labor Cost VI	
				Direct Cost VI	₱

ITEM NO.	WORK DESCRIPTION & SCOPE OF WORKS	QTY.	UNIT	UNIT COST	TOTAL COST
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SUMMARY

ITEM NO.	WORK DESCRIPTION AND SCOPE OF WORKS	TOTAL COST
I. II. III. IV. V. VI.	GENERAL REQUIREMENTS BOY'S ROOM AT GROUND FLOOR RECEIVING AREA DORMITORY AT 2ND FLOOR CONSTRUCTION OF KITCHEN AND LAUNDRY FACILITY CONSTRUCTION OF PERIMETER FENCE	P
TOTAL DIRECT COST Overhead, Contingencies and Miscellaneous Expenses (OCM) Profit VAT		P
TOTAL ESTIMATED COST		P

PROJECT TITLE : PROPOSED RENOVATION OF YWCA FOR USE OF WOMEN'S & CHILDREN'S SHELTER (PHASE 2)

LOCATION : BARANGAY HOLY SPIRIT, DISTRICT 2, QUEZON CITY

PROJECT NO. : 20 - 00143

DURATION : Ninety (90) Calendar Days

BREAKDOWN OF COST

ITEM NO.	ITEM OF WORK (DESCRIPTION)	MATERIALS COST	LABOR COST	INDIRECT COST	AGGREGATE COST
I	GENERAL REQUIREMENTS				
II	BOY'S ROOM AT GROUND FLOOR				
III	RECEIVING AREA				
IV	DORMITORY AT 2ND FLOOR				
V	CONSTRUCTION OF KITCHEN AND LAUNDRY FACILITY				
VI	CONSTRUCTION OF PERIMETER FENCE				

TOTAL COST P _____

LUMP SUM BID IN WORDS : _____

Contractor : _____