



Republic of the Philippines
 Department of the Interior and Local Government
BUREAU OF FIRE PROTECTION
CORDILLERA ADMINISTRATIVE REGION
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PROJECT : IMPROVEMENT/ REPAIR OF MAYOYAO FIRE STATION
 OWNER : BUREAU OF FIRE PROTECTION
 LOCATION : MAYOYAO, IFUGAO
 PROJECT AMOUNT : Php 1,779,400.00

BILL OF MATERIALS

DESCRIPTION	QTY	UNIT	UNIT COST	AMOUNT
A. GENERAL REQUIREMENTS	1	lot		
Project Bill Board	1	lot		
Personal Protective Equipment and Signage	1	lot		
Mobilization/Demobilization	1	lot		
Material Cost				
B. DEMOLITION with HAULING (Demolition of Partition Wall at Ladies Quarter & Portion of R.C. for Sliding Pole)	10.8	sq.m.		
C. GRAVEL BEDDING	2.59	cu.m		
1. Crushed Gravel	2.72	cu.m		
Material Cost				
Labor Cost				
D. REINFORCED CONCRETE WORKS	12.09	cu.m		
Slab on Fill				
1. Portland Cement	115	bags		
2. Crushed Sand	11	cu.m		
3. Crushed Gravel	6	cu.m		
Material Cost				
Labor Cost				
E. REBAR WORKS (Grade 40):	370.20	kgs		
1. 10 mm ϕ x 6M Steel Bars	370.2	pcs		
#16 GI Tie Wire	6	kgs		
Material Cost				
Labor Cost				
F. PLUMBING WORKS	1	lot		
Sewer Line				
1. 100mm \varnothing x 3m PVC Soil Pipe, S-1000	7	pcs		
2. 100mm \varnothing 90deg, PVC Elbow Joint	2	pcs		
3. 100mm \varnothing Wye Joint	4	pcs		
4. 100mm \varnothing Clean Out w/ Plug & Sealing Ring	2	pcs		
5. 100mm \varnothing x 50mm \varnothing Wye Joint	3	pcs		
6. 50mm \varnothing x 3m uPVC Vent, S-1000	4	pcs		
7. 50mm \varnothing 90deg, PVC Elbow Joint	4	pcs		
8. 50mm \varnothing x 50mm \varnothing PVC Tee Joint	4	pcs		

9. Upvc P-trap, 50mm ∅	2	pcs
10. PVC Cement Solvent	5	can

Storm Drainage & Down Spout

1. 75mm ∅ x 3m uPVC Pipe Down spout	24	pcs
2. 75mm ∅ 90deg, PVC Elbow Joint	23	pcs
3. Pipe Clamp for 75mm ∅ x 3m uPVC Pipe Down spout	18	pcs
4. PVC Cement Solvent	4	can

Plumbing Fixtures

1. Water Closet w/ Fittings & and Accessories (American Standard)	1	set
2. Lavatory w/ Fittings & and Accessories (American Standard)	1	set
3. Urinal	1	set
4. Fittings	1	lot
5. Stainless Steel Floor Drain 4" x 4"	1	pcs
6. Mirror (2ft x 3ft)	1	set
7. Faucet, hose bibb, brass 12mm dia.	1	pcs

Water Line

1. 25mm∅ Polypropylene Tee Reducer Joint	2	pcs
2. 20mm∅ Polypropylene Cold Water Line	10	pcs
3. 20mm∅ Polypropylene 90deg. Elbow	4	pcs
4. 20mm∅ Polypropylene Tee Joint	5	pcs
5. 25 x 20mm∅ Polypropylene Reducer Tee Joint	2	pcs

Material Cost
Labor Cost

G. CARPENTRY and JOINTRY 153.96 sq.m

Ceiling Works 140.46 sq.m

1. 12mm x 38mm x .8mm x 5m Carrying Channel	51	pcs
2. 12mm x 38mm x .8mm x 5m Furring Channel	159	pcs
3. 25 x 25 x .4mm x 3m Wall Angle	68	pcs
4. Channel Clip	843	pcs
5. 1.2m x 2.4m x 4.5mm thick Fiber Cement Ceiling Board	52	pcs
6. 1/8" x 5/8" blind rivets	1970	pcs
7. Concrete nail	5	kgs
8. Carrying Hanger	38	pcs
9. Ceiling vent w/ Wire Mesh	6	set

(Ladies Quarter's Partition Wall) 13.50 sq.m

1. 2" x 3" Good Lumber Stud	11	pcs
2. 1.2m x 2.4m x 4.5mm thick Fiber Cement Ceiling Board	10	pcs
3. blind rivets	756	pcs
4. Concrete nail	2	kgs

Material Cost
Labor Cost

H. DOORS AND WINDOWS 1 lot

1. 1 set D-1 (1.00m x 2.45m Double Aluminum Framed Swing Type Glass Door with 1/4" thick Dark Glass)	2.45	sq.m
2. 1 set D-2, 0.80 x 2.10m - Hollow Core Flush Type Door on 50 x 150mm Door Jambs with Marine Plywood Facing Inside w/ 0.80 x 0.30m Stainless Kick Plate & Ordinary Outside	1.6	sq.m
3. 1 set D-3, 0.90 x 2.10m Swing Panel Door Jamb	1.89	sq.m
4. 1 set D-4, 1.00m x 2.10m Aluminum Screen Door	2.1	sq.m

5. Door Frames	2	sets
6. Loose Pin Hinges	16	sets
7. Locksets (Kwikset Door Knob)	2	sets
8. Double Door Locksets	1	sets

WINDOWS	1	lot
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1. 2 sets Window-1, 2.00m x 1.60m Aluminum Sliding Window w/ 1/4" thk Dark Glass Panel & Screen	6.4	sq.m
2. 2 sets Window-2, 0.65m x 0.60m Aluminum Awning Window w/ 1/4" thk Dark Glass Panel & Screen	0.78	sq.m
3. Combi Roll-up Excelsior Blinds (color wood)- For ground floor office	137.7	sq.ft
4. Screen- for 2nd flr. Office's Windows	274.34	sq.ft

Material Cost
Labor Cost

I. TILE WORKS	165.6	sq.m
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MAIN FLOORS

1. 0.60m x 0.60m Granite Tiles (office at ground floor)	75	pcs
2. 0.40m x 0.40m Ceramic Glazed Tiles (for 2nd floor)	470	pcs
3. 0.40m x 0.40m Ceramic Un-Glazed Tiles (front & back entrance floor)	156	pcs

COMFORT ROOM & BATH ROOM

Floor		sq.m
4. 0.20 m x 0.20m Glazed Un-Ceramic Floor Tiles	90	pcs
Walls		sq.m
5. 0.20 m x 0.20m Glazed Ceramic Tiles	272	pcs

STAIRS

3. 0.30 m x 0.60m Semi Granite Tiles	118	pcs
4. Tile Trim	10	pcs
5. ABC Tile Adhesive	24	bags
6. ABC Tile Grout	22	kgs
7. Cement	55	bags
8. Sand	6	cu.m

Material Cost
Labor Cost

J. PLASTERING WORKS	600.50	sq.m
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(Walls, Concrete under Slab, Column & Beam Faces)	600.50	sq.m
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1. Portland Cement	199	bags
2. Sand	16.5	cu.m
3. 2" x 3" x12" Good Lumber (scaffoldings)	180	bd.ft.

Material Cost
Labor Cost

K. PAINTING	679.46	sq.m.
1. Conc. Neutralizer	55	gal
2. Flat Later (1 coat)	28	gal
3. Semi Gloss Latex (2 coat- See Color Scheme)	55	gal
4. Patching Compound	34	gal
5. Sand paper	340	pcs
6. Paint Roller	8	pcs
7. Paint Pan	8	pcs
(use the scaffolding in the plastering)		
Material Cost		
Labor Cost		
L. MASONRY WORKS	43.01	sq.m.
4" CHB		
1. 4" X 8" X 16" CHB	132	pcs
2. Portland Cement	6	bag
3. Fine Aggregate	1	cu.m
4. 10mm dia. RSB	22.21	kgs
5. GI Tie Wire	1	kgs
6" CHB		
1. 6" X 8" X 16" CHB	428	pcs
2. Portland Cement	31	bag
3. Fine Aggregate	3	cu.m
4. 10mm dia. RSB	73.92	kgs
5. GI Tie Wire	4	kgs
Material Cost		
Labor Cost		
M. RAILINGS	1	lot
1. 2" Dia. Stainless Pipe Stair Railing	5	pcs
2. 18mm x 18mm Stainless Steel Square Bar- Stair Railing	10	pcs
3. Stainless Welding Rod	5	kgs
4. Cutting Disc	2	pcs
5. Sand Paper	4	pcs
6. Mapping Soap	1	pcs
7. Mapping Cloth	1	pcs
Material Cost		
Labor Cost		
N. ELECTRICAL WORKS	1	lot
Conduits		
1. 20mm dia PVC conduit	25	pcs
2. Utility box, Deep type	5	pcs
3. Junction box, Deep Type	7	pcs
Wires and Wiring Device		
4. 3.5mm ² THHN Wire, Stranded	75	mtr
5. 5mm ² THHN Wire, Stranded	150	mtr

6. 1-gang Switch	3	sets
7. 2-gang Switch	1	sets
8. Duplex Convenience Outlet, grounding type, 15A, 250V	4	sets
9. Duplex Convenience Outlet, grounding type, 250C, WF	1	sets
10. KWHR meter round base with box housing	1	sets
11. KWHR meter round base with box housing	1	lot

Panelboard with Main and Branch Breakers

12. MDP	1	sets
Main: 60at, 60af, 2p, 240v, 18KAIC		
Branches: 2-15at, 50af, 2p, 240v		
2-20at, 50af, 2p, 240v		
2-30at, 50af, 2p, 240v		

Lighting Fixtures and Lamps

13. 2-36 watts flourescent Lighting Fixtures, Industrial louver Box Type	4	sets
14. 18 watts Compact Flourescent Lamp w/ medium Base, Keyless Type Porcelain Receptacle	5	sets

Material Cost		
Labor Cost		

O. MISCELANEOUS 1 lot

1. Stainless Lettering Cuttings (1" x 5" x 8"-MAYOYAO FIRE STATION)	1	lot
2. BFP National & BFP-CAR 50mm thick x 600mm Diameter Panaflex	1	lot
3. Air Concditioning Unit 2hp	1	lot
4.3" dia. Stainless Steel Pipe Sliding Pole	1	lot
5.Facade	1	lot

Material Cost		
Labor Cost		

P. EQUIPMENT RENTALS 1 lot

TOTAL MATERIAL COST	
TOTAL LABOR COST	
TOTAL DIRECT COST	
CP (____%)	
OCM (____%)	
VAT (5%)	
TOTAL INDIRECT COST	
TOTAL ESTIMATED COST	

Prepared By:

CONTRACTOR