

(CONSTRUCTION FIRM)

PROJECT : CONSERVATION & RESTORATION OF GABALDON SCHOOL BUILDING

SCHOOL : MAGSAYSAY ELEMENTARY SCHOOL

LOCATION : NEW LUCBAN, BAGUIO CITY

OWNER : DEPARTMENT OF EDUCATION

SUBJECT : BILL OF QUANTITIES

DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
			MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS	lot	1.00					
Mobilization/Temporary Structures, Utilities and Services/Demobilization / Standard Billboard	lot	1.00					
Safety and Health	lot	1.00					
Facilities and Equipment for Engineers							
A3 Printer,6 Colors (Continuous ink flow system)	set	1.00					
Desktop Computer							
AMD Ryzen 7 1700X upto 3.8GHz							
16GB DDR4 Memory							
256GB SSD + 1TB HDD							
4GB AMD Radeon RX580							
Keyboard with wrist pad							
Padless Optical Mouse	set	1.00					
Compact UPS Battery Backup & Surge Protector, 2000VA							
22" LCD Monitor,21:9 UltraWide Curved QHD IPS Monitor,sRGB over 99%/Color Calibrated,USB 3.0 Quick Charge,Height/Tilt Adjustable Stand,creen Split 2.0 (PIP Mode)							
Sub-total							
Earthworks	lot	1.00					
Removal of Concrete Structures & Obstructions	cum	0.79					
Soil Poisoning	li	55.00					
Gravel Bed,G1	cu.m.	0.95					
Minor Tools (10% of labor cost)	lot	1.00					
Sub-total							
Concreting Works	cu.m.	1.89					
PWD Ramp,Concrete Pedestal & Plant Box,Signage Pedestal	cu.m	1.89					
Portland Cement	bag	18.00					
Crushed Gravel 1"	cu.m	1.89					
Washed Sand	cu.m	0.95					
Minor Tools (10% of labor cost)	lot	1.00					
Sub-total							
Rebar Works	kg	132.64					
Concrete Pedestal							
Deformed Round Bars, Grade 40	kg	132.64					
G.I. Tie Wire	kg	3.00					
Minor Tools (10% of labor cost)	lot	1.00					
Sub-total							
Formworks/Scaffoldings	lot	1.00					
H-Frame & accessories Rental	sets	2,200.00					
Rough Lumber	bd.ft.	600.00					
CWN, assorted	kgs	25.00					
Plywood 1/4"	pcs	6.00					
Minor Tools (10% of labor cost)	lot	1.00					
Sub-total							
Doors and Windows	lot	1.00					
Removal of Existing Windows	sets	7.00					
Removal of Existing Doors	sq.m.	35.60					

D-1, Panel Door 1.55m x 3.05m complete with 2"x6" Door Jamb with Accessories	sets	12.00				
D-3, Panel Door .9m x 3.05m complete with 2"x6" Door Jamb with Accessories	sets	1.00				
D-3 Flush Door .865m x 1.950m on 150mm Wooden Jamb complete with Accessories	sets	1.00				
Lockset, stainless steel	pc	12.00				
4"x4" stainless steel butterfly hinge	pc	72.00				
Capiz Type Window on 2"x4" Analok window frames complete with Accessories, see detail	sqm	61.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Steel Works	lot	1.00				
Security Grilles						
12mm Square Bar	pcs	99.00				
4.5mm x 25mm Flat Bar	pcs	21.00				
Welding Rod	kgs	4.00				
Red Lead Primer	gal	5.00				
Hand Rail						
Stainless Steel #304 2" diameter	pcs	6.00				
Welding Rod (stainless)	kgs	1.00				
Marker						
Plain G.I. Flat Sheet 0.50mm	pc	1.00				
100mm G.I. Pipe, S-40	pc	2.00				
Red Lead Primer	gal	1.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Roofing Works (100%)	sq.m.	876.51				
Removal of Roofing Sheets	lm	876.51				
Removal of Ridge Roll	pc	26.00				
Removal of Flashing	pc	40.00				
Removal of Gutter	pc	47.00				
Removal of Valley Gutter	pc	9.00				
Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	lm	876.51				
Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	26.00				
Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	40.00				
Gutter, 0.50mm thick, Pre-Painted, see attached design	pc	47.00				
Valley Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	9.00				
Teckscrew 2-1/2"	pc	6,000.00				
Blind Rivets	pc	870.00				
Steel Matting, 3.2mmx50mmx50mm (4'x8')	pcs	278.00				
5mm Double sided Aluminum Insulator x 50m	roll	16.00				
Gutter holder, see attached design	pc	120.00				
Roof Sealant	L	8.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Carpentry Works	lot	1.00				
Dismantling Works						
Removal of Wooden Truss	bd.ft	1,235.20				
Removal of Purlins , Ceiling Joists, Ridge Board, Girt	bd.ft	4,741.75				
Removal of Floor Joists, Beams , Girders	bd.ft	1,054.72				
Removal of Wall Studs	bd.ft	3,128.00				
Removal of Wooden Baluster	bd.ft	468.53				
Removal of T&G (Floor)	bd.ft	3,712.82				
Removal of Exterior and Interior Ceiling	bd.ft	6,939.20				
Removal of Exterior Wall, Interior Wall & Existing Partitions	bdft	5,012.07				
Interior Flooring Replacements						
T&G 1"x4"	bd.ft	3,341.54				
Finishing Nails	kg	120.00				
Wood Filler	qrt.	10.00				

Interior and Exterior Ceiling Replacements							
1"x6" V-Cut Sidings,Kiln Dried Tanguile	bd.ft	5,898.32					
Finishing Nails	kg	211.00					
Exterior Walls Replacements							
1"x6" V-Cut Sidings,Kiln Dried Tanguile	bd.ft.	5,012.07					
Finishing Nails	kg	180.00					
Wooden Fascia Board Replacements @ roof							
Fascia Board, Fiber Cement 10"x12'	pc	48.00					
Common Wire Nails	kg	1.00					
New Interior walls (double walling)w/groove							
S4S Kiln Dried, Tanguile	bdft	5,877.40					
Common Wire Nails	kg	118.00					
New Partition Wall (Fixed)							
S4S Kiln Dried, Tanguile with Clerestory and Fixed Callado,with Termite Protection and Paint Finish	bdft	782.96					
Wall with Callado,Tanguile,Verify Actual	bdft	366.00					
Finishing Nails	kg	28.00					
New Partition Wall (Accordion Type)							
S4S Kiln Dried, Tanguile with Clerestory and Fixed Callado,with Termite Protection and Paint Finish	bdft	782.96					
Piano Hinge	mts	50.00					
Wall with Callado,Tanguile Kiln Dried,Verify Actual	bdft	183.00					
S4S Kiln Dried, Tanguile	bdft	15.00					
Common Wire Nails	kg	4.00					
Finishing Nails	kg	16.00					
Toilet and Bath Wall and Flooring							
Good Lumber	bdft	497.33					
Common Wire Nails	kg	10.00					
Plywood, Marine 3/4" x 4' x 8'	pc	4.00					
Wiremesh,Chicken	sqm	2.00					
L 25 x 25 x 3mm	kg	20.00					
Flat Bar 1" x 1/4"	kg	5.80					
Waterproof Tape 4" x 5"	sqm	1.94					
7"	pc	24.00					
Other Wood Replacements							
Truss Members (Top/Bottom Chords)	bd.ft	1,235.20					
Wooden Posts	bd.ft	1,022.14					
Purlins,Ridge Board,Girt	bd.ft	5,180.27					
Interior Ceiling Joists	bd.ft	1,593.67					
Floor Joist, Beams ,Girders&Solid Bridging	bd.ft	738.30					
Double wall studs 2"x3" Rough lumber Hardwood	bd.ft	3,128.00					
Rough Lumber (Hard wood)	bd.ft	12,897.58					
Common Wire Nails	kg	233.00					
Wood Preservative	L	35.00					
Cornices/Mouldings	bd.ft	70.00					
Baseboards	bd.ft	300.09					
Wooden Balluster	bd.ft	468.53					
S4S Lumber, Kiln Dried, Tanguile	bd.ft	838.62					
Common Wire Nails	kg	16.00					
Others							
Ceiling Vent 1" x 12" x 4' with Screen	pc	16.00					
Blackboard	sq.m.	40.32					
Rough Lumber, Sun Dried, Tanguile	bd.ft	257.00					
Lawanit, 1/4" thk	pc	14.00					
Finishing Nails	kg	1.00					
Common Wire Nails	kg	4.782					
Minor Tools (5% of labor cost)	lot	1.00					
Sub-total							

Electrical Works	lot	1.00				
Roughing-ins						
Electrical Conduit uPVC, 15mmØ	pc	80.00				
Junction Box, 4" x 4"	pc	50.00				
Utility Box, 2" x 4"	pc	31.00				
Wires & Fixtures						
3.5 mm2 THW Wire, Stranded	m	480.00				
Duplex C.O. with Plate	pc	28.00				
2-Gang Switch with Plate	pc	15.00				
1-Gang Switch with Plate	pc	2.00				
2-80W PL on 300mm diam. Reflectorized Bowl Type Housing	pc	42.00				
300mm dia. Globe diffuser w/ metal hanger	set	3.00				
Ceiling Fan Rotor Type	set	14.00				
RSC 20mmØ	pc	2.00				
1/2" GI pipe schedule 20	pc	26.00				
Electrical Tape	pc	5.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Plumbing Works	lot	1.00				
PP-R Pipe 1/2"Ø	pc	7.00				
1/2" PPR Elbow	pc	4.00				
PP-R Tee, 1" x 1/2"Ø	pc	4.00				
PP-R Elbow 90o x 1/2"Ø	pc	6.00				
1/2" Male Adaptor	pc	8.00				
Teflon Tape	roll	17.00				
Water Closet 1.6gpf with Accessories w/ Faucet, White	pc	1.00				
1 1/2" PVC P-Trap for Sink	pc	1.00				
Mirror	sqft	1.50				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Sanitary Works	lot	1.00				
uPVC Sanitary Pipe 4"Ø	pc	4.00				
uPVC Sanitary Pipe 3"Ø	pcs	50.00				
uPVC Sanitary Pipe 2"Ø	pc	3.00				
3" PVC 90 degree elbow Orange	pcs	46.00				
2" x 90 deg. Bend	pc	4.00				
4" x 90 deg. Bend	pc	1.00				
4" x 45 deg. Bend	pc	3.00				
3" x 45 deg. Bend	pc	1.00				
2" x 2" Tee	pc	2.00				
4" x 4" Tee	pc	3.00				
4" x 2" Wye	pc	3.00				
2" P - Trap	pc	1.00				
4" PVC Clean Out	pc	1.00				
2" PVC P-Trap for Sink	pc	1.00				
PVC Solvent Cement	can	3.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Painting Works	sq.m.	1793.9414				
Wood surfaces	sq.m	1,478.28				
Enamel, Flatwall	gal	74.00				
Glazing Putty	gal	74.00				
Enamel, Semi Gloss	gal	74.00				
Paint Thinner	gal	56.00				
Sand Paper #100	pc	450.00				
Signages & Exhibits	sq.m	0.66				
Quick-Dry Enamel Paint	gal	1.00				
T&G Floor Surfaces	sq.m.	315.00				
Wood Bleach No. 1 & 2	gal	22.00				
Oil Wood Stain - 2 coats	gal	53.00				
Hi-Solid Sanding Sealer - 1 Coat	gal	14.00				
Polyurethane Top Coat - 3 Coats	gal	42.00				
Tinting Color	gal	5.00				
Paint Brush 2"	pc	45.00				
Paint Brush 4"	pc	65.00				
Roller Brush 7"	pc	5.00				

Sand Paper #100	pc	350.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Tile Works	sq.m.	117.37				
T&B Wall	sqm	1.73				
Glazed Wall Tiles 20cm x20cm	pcs	45.00				
Tile Adhesive 25 kg/bag	bag	1.00				
Tile Grout 2 kg/bag	bag	1.00				
T&B Flooring	sqm	1.94				
Unglazed Floor Tiles 20cm x20cm	pcs	52.00				
Tile Adhesive 25 kg/bag	bag	1.00				
Tile Grout 2 kg/bag	bag	1.00				
Hallway	sq.m.	113.70				
Chipping of Concrete Hallway	sqm	113.70				
Granito Tiles 60cm x60cm	pcs	326.00				
Tile Adhesive 25 kg/bag	bag	21.00				
Tile Grout 2 kg/bag	bag	9.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
I. DIRECT COST						
II. INDIRECT COST ____% of (I-General Requirements)						
III. TAX 5% of (II+III)						
IV. TOTAL CONSTRUCTION COST (I+II+III)						

Prepared by:

CONTRACTOR

(Firm)