

(CONSTRUCTION FIRM'S LETTERHEAD)

PROJECT : CONSERVATION & RESTORATION OF GABALDON SCHOOL BUILDING
 SCHOOL : E.AGUINALDO ELEMENTARY SCHOOL
 LOCATION : GEFA STREET, BAGUIO CITY
 OWNER : DEPARTMENT OF EDUCATION - BAGUIO CITY DIVISION
 SUBJECT : BILL OF QUANTITIES

DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
			MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS	lot	1.00					
<i>Mobilization/Temporary Structures, Utilities and Services/Demobilization / Standard Billboard</i>	lot	1.00					
<i>Safety & Health</i>	lot	1.00					
Equipments for Engineers	lot	1.00					
<i>A3 Printer,6 Colors (Continuous ink flow system)</i>	set	1.00					
<i>Desktop Computer</i>	set	1.00					
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							
Compact UPS Battery Backup & Surge Protector, 2000VA							
<i>22" LCD Monitor,21:9 UltraWide Curved QHD IPS Monitor,sRGB over 99%/Color Calibrated,USB 3.0 Quick Charge,Height/Tilt Adjustable Stand,screen Split 2.0 (PIP Mode)</i>							
Sub-total							
Earthworks	lot	1.00					
Removal of Structures & obstructions (hand rails, slab on fill, etc) includes haul out of demolished materials	ls	1.00					
Chipping of Concrete Pedestal	sq.m.	6.40					
Demolition of Masonry Wall - Basement (includes haul out of demolished materials)	sq.m.	40.35					
Excavation	cu.m.	6.95					
Pesticide (Soil Poisoning)	li	28.00					
Gravel Bed, G1	cu.m.	6.66					
Minor Tools (10% of labor cost)	lot	1.00					
Sub-total							
Concreting Works	cu.m.	8.09					
Concrete Pedestal	cu.m.	0.32					
Portland Cement	bags	3.00					
Crushed Gravel 3/4"	cu.m.	0.32					
Washed Sand	cu.m.	0.16					
Slab on Fill	cu.m.	6.66					
Portland Cement	bags	60.00					
Crushed Gravel 3/4"	cu.m.	6.66					

Washed Sand	cu.m.	3.33				
Wall Footing	cu.m.	1.11				
Portland Cement	bags	10.00				
Crushed Gravel 3/4"	cu.m.	1.11				
Washed Sand	cu.m.	0.56				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Rebar Works	kgs	364.26				
Concrete Pedestal	kgs	74.60				
Deformed Round Bars	kgs	74.60				
G.I. Tie Wire	kgs	0.50				
Slab on Fill	kgs	225.70				
Deformed Round Bars	kgs	225.70				
G.I. Tie Wire	kgs	3.00				
Wall Footing	kgs	63.96				
Deformed Round Bars	kgs	63.96				
G.I. Tie Wire	kgs	1.50				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Formworks/Scaffoldings	lot	1.00				
H-Frame Rental & accessories	sets	1,350.00				
Rough Lumber	bd.ft.	400.00				
CWN, assorted	kgs	25.00				
Plywood 1/4"	pcs	4.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Masonry Works	lot	1.00				
Masonry Wall (Class A)	sq.m.	25.88				
Portland Cement	bags	39.00				
Washed Sand	cu.m.	3.20				
CHB 6" Thick	pcs	324.00				
G.I. Tie Wire	kgs	5.00				
Plastering (Class A @ 20mm)	sq.m.	43.26				
Portland Cement	bags	16.00				
Washed Sand	cu.m.	0.87				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Doors and Windows	lot	1.00				
Removal of Door with Jamb	sets	7.00				
Removal of Windows with Jamb	sq.m.	32.00				
Steel Door 0.80m x 2.10m with Door Jamb	sets	1.00				
Flush Door 0.60m x 2.0m with Door Jamb	sets	1.00				
Panel Door 1.0m x 2.40m with 2" x 6" Door Jamb	sets	4.00				
Capiz type window on 2" x 4" analoc window frames, complete with Accessories (see attached design)	sq.m.	70.10				
Sliding Analoc window on 2" x 4" analoc window frames, complete with Accessories (see attached design)	sq.m.	17.40				
Stainless Steel Lockset, heavy duty, (see attached design)	sets	4.00				
4x4 Stainless Steel Butterfly Hinge	sets	29.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						

Steel Works	lot	1.00				
Security Grilles						
12mm Square Bar	pcs	145.00				
4.5mm x 25mm Flat Bar	pcs	18.00				
Welding Rod	kgs	8.00				
Red Lead Primer	gal	8.00				
Stair Railings						
Stainless Steel #304 2" diameter	pcs	22.00				
Welding Rod (stainless)	kgs	5.00				
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				
Comfort Room & Kitchen						
MS Plate 4' x 8' x 5mm	pc	6.00				
Steel Matting 3.2mm x 50mm x 50mm (4x8')	pc	6.00				
2" x 2" x 4.5mm Angle Bar	pc	2.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Roofing Works	sq.m	440.60				
Removal of Roofing Sheets	sq.m	440.60				
Removal of Ridge Roll	pc	16.00				
Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	lm	485.00				
Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	16.00				
Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	14.00				
Gutter, 0.50mm thick, Pre-Painted, see attached design	pc	31.00				
Gutter Holder, see attached design	pc	145.00				
Teckscrew 2-1/2"	pc	3,880.00				
Blind Rivets 3/16 x 1"	pc	310.00				
Roof Sealant	L	12.00				
Steel Matting, 3.2mmx50mmx50mm (4x8')	pcs	132.00				
5mm Double sided Aluminum Insulator x 50m	roll	8.00				
1" x 12" S4S Wooden Fascia Board	bd.ft.	313.01				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Carpentry Works	lot	1.00				
Dismantling Works						
Removal of Purlins, Trusses & Members	bd.ft	2,656.48				
Removal of Floor Joists, Wooden Posts & Girders	bd.ft	6,927.55				
Removal of T&G (Floor)	bd.ft.	2,437.24				
Removal of Ceiling Boards & joists	sq.m.	352.91				
Removal of Partitions	sq.m.	313.53				
Purlins, Trusses & Members						
Rough Lumber, Sun Dried, Tanguile	bd.ft	1,207.49				
Common Wire Nails	kg	22.00				
Wood Preservative	L	8.00				
Posts, Girders, Floor Joists						
Rough Lumber, Sun Dried, Tanguile	bd.ft	5,674.36301				
Common Wire Nails	kg	103.00				
Wood Preservative	L	36.00				
Wooden Flooring						
1" x 4" T&G	bd.ft.	1,883.32				
1" x 6" S4S Interior Baseboard	bd.ft.	170.36				
Finishing Nails	kg	28.00				
Wood Preservative	L	13.00				
Ceiling						
Rough Lumber, Sun Dried, Tanguile	bd.ft	1,842.00				
1" x 6" S4S V-Cut	bd.ft.	2,417.00				
Marine Plywood, 1/4" x 4' x 8'	pcs	42.00				

1" x 4" S4S Lumber (Ceiling Cornice Decorative Lines)	bd.ft	279.00				
1" x 2" S4S Good Lumber (Ceiling Eaves Cornice-outer)	bd.ft	77.00				
1" x 6" S4S Good Lumber (Interior Ceiling Cornice - Perimeter)	bd.ft	273.00				
Finishing Nails	kg	41.00				
Common Wire Nails	kg	34.00				
Wood Preservative	L	31.00				
Wall Panels, Frames						
1" x 8" T&G with Groove for Exterior Sidings	bd.ft	2,332.73				
3/4" x 8" S4S	bd.ft	239.44				
1" x 4" S4S for louver window	bd.ft	29.80				
1" x 6" V-Cut for Interior Sidings	bd.ft	4,495.91				
1" x 1" x10' Quarter Moulding	pcs	562.00				
Good Lumber (Horizontal & Vertical Studs)	bd.ft	1,363.97				
Finishing Nails	kg	43.00				
Common Wire Nails	kg	25.00				
Wood Preservative	L	43.00				
Blackboard						
S4S Lumber, Sun Dried, Tanguile	bd.ft	111.00				
Lawanit, 1/4" thk	pc	6.00				
Finishing Nails	kg	3.00				
Common Wire Nails	kg	3.00				
Kitchen & CR						
Rough Lumber, Sun Dried, Tanguile	bd.ft	67.34				
Marine Plywood, 3/4" x 4' x 8'	pc	8.00				
Finishing Nails	kg	1.00				
Common Wire Nails	kg	5.00				
Minor Tools (5% of labor cost)	lot	1.00				
Sub-total						
Electrical Works	lot	1.00				
Roughing-ins						
Moldflex 1/2"	roll	4.00				
RSC 25mmØ	pc	1.00				
Entrance Cap 25mm dia.	pc	1.00				
Junction Box, 4" x 4"	pc	20.00				
Utility Box, 2" x 4"	pc	29.00				
Wires & Fixtures						
2.0 mm2 THW Wire, Stranded	m	700.00				
3.5 mm2 THW Wire, Stranded	m	500.00				
5.5 mm2 THW Wire, Stranded	m	50.00				
Duplex C.O. with Plate	pc	24.00				
2-Gang Switch with Plate (flushed)	pc	5.00				
300mm diam. Reflectorized Bowl Type Housing	pc	56.00				
80W LED	pc	59.00				
2-40W FL Industrial Type	pc	6.00				
Orbit Type Ceiling Fan with Control Switch	set	18.00				
Lighting Fixture Holder, see detail	set	27.00				
Circuit Breaker, 15A 2P	set	5.00				
Circuit Breaker, 25A 2P	set	5.00				
Circuit Breaker, 100A 2P	set	1.00				
Panel Box, Flush Type, 12holes	set	1.00				
Electrical Tape	pc	6.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Plumbing Works	lot	1.00				
PP-R Pipe 1/2"Ø	pc	8.00				
PP-R Tee, 1" x 1/2"Ø	pc	6.00				
PP-R Elbow 90o x 1/2"Ø	pc	10.00				
1/2" Female Adaptor	pc	3.00				
Teflon Tape	roll	3.00				

Water Closet 1.6gpf with Accessories	pc	1.00				
Lavatory with Pedestal, Pozzi or equivalent	pc	1.00				
1 1/2" PVC P-Trap for Sink	pc	1.00				
Mirror	sqft	4.00				
Stainless Steel Kitchen Sink, Double Bowl, Heavy Gauge	set	1.00				
Stainless Gooseneck Lavatory Faucet, Lever Type	set	1.00				
Stainless Gooseneck Kitchen Faucet, Lever Type	set	1.00				
Stainless Steel Floor Drain 4"x 4	set	1.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Sanitary Works	lot	1.00				
uPVC Sanitary Pipe 4"Ø	pc	6.00				
uPVC Sanitary Pipe 2"Ø	pc	8.00				
2" PVC Elbow	pc	6.00				
4" PVC Elbow	pc	4.00				
2" x 2" Tee	pc	1.00				
4" x 2" Wye	pc	1.00				
2" PVC P - Trap	pc	2.00				
4" PVC Clean Out	pc	1.00				
PVC Solvent Cement	can	1.00				
Downspout						
PVC Pipe 3"Ø, S-1000	pc	34.00				
uPVC Elbow x 3"Ø	pc	34.00				
PVC Cement	can	4.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Painting Works	sq.m.	1,411.97				
Wood & Metal surfaces	sq.m	1,194.97				
Enamel, Flatwall	gal	120.00				
Enamel, Semi Gloss	gal	16.00				
Glazing Putty	gal	24.00				
Easytite	gal	18.00				
Paint Thinner	gal	34.00				
Paint Brush	pcs	16.00				
Paint Roller with pan	set	12.00				
Sand Paper #100	pcs	350.00				
T&G surfaces	sq.m	217.00				
Sanding Sealer	gal	9.00				
Oil Wood Stain - 2 coats	gal	36.00				
Polyurethane Wood Varnish - 2 coats	gal	22.00				
Paint Brush	pcs	10.00				
Paint Roller with pan	set	8.00				
Sand Paper #100	pcs	250.00				
Minor Tools (10% of labor cost)	lot	1.00				
Sub-total						
Tile Works	sq.m.	105.70				
Chipping of Concrete Floor	sq.m.	30.60				
Unglazed Floor Tiles 40cm x 40cm	pc	591.00				
Glazed Wall Tiles 40cm x 20cm	pc	115.00				
Tile Grout 2 kg/bag	bag	2.00				
Tile Adhesive 25 kg/bag	bag	4.00				
Portland Cement	bags	12.00				
Washed Sand	cu.m.	1.75				
Waterproofing Membrane with Accessories (1.5mm thick x 1.05m width x 19.05m length / roll)	roll	1.00				
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 (I+II)						

TOTAL CONSTRUCTION COST (I+ II+ III)

Prepared by:

CONTRACTOR
(Firm)