

## (CONSTRUCTION FIRM'S LETTERHEAD)

PROJECT : CONSERVATION & RESTORATION OF GABALDON SCHOOL BUILDING  
 SCHOOL : LUCBAN ELEMENTARY SCHOOL  
 LOCATION : CAMDAS, 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	
<b>GENERAL REQUIREMENTS</b>	<b>lot</b>	<b>1.00</b>					
Mobilization/Temporary Structures, Utilities and Services/Demobilization / Standard Billboard	lot	1.00					
Safety & Health	lot	1.00					
<b>Equipments for Engineers</b>	<b>lot</b>	<b>1.00</b>					
A3 Printer,6 Colors (Continuous ink flow system)	set	1.00					
Desktop Computer (Branded)	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							
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)							
<b>Sub-total</b>							
<b>Earthworks</b>	<b>lot</b>	<b>1.00</b>					
Removal of Concrete Structures & obstructions (includes haul out of demolished materials)	cu.m.	4.30000					
Chipping of Concrete Pedestal	sq.m.	4.80					
Demolition of Masonry Wall (includes haul out of demolished materials)	sq.m.	27.50					
Excavation	cu.m.	10.78					
Pesticide (Soil Poisoning )	li	38.00					
Gravel Bed, G1	cu.m.	1.40					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Concreting Works</b>	<b>cu.m.</b>	<b>4.06</b>					
<b>Concrete Pedestal</b>	<b>cu.m.</b>	<b>0.24</b>					
Portland Cement	bags	3.00					
Crushed Gravel 3/4"	cu.m.	0.24					
Washed Sand	cu.m.	0.12					
<b>Stairs &amp; Ramp</b>	<b>cu.m.</b>	<b>3.82</b>					
Portland Cement	bags	35.00					
Crushed Gravel 3/4"	cu.m.	3.82					
Washed Sand	cu.m.	1.91					

Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Rebar Works</b>	<b>kgs</b>	<b>295.79</b>					
<b>Concrete Pedestal</b>	<b>kgs</b>	<b>55.94</b>					
Deformed Round Bars	kgs	55.94					
G.I. Tie Wire	kgs	0.40					
<b>Stairs &amp; Ramp</b>	<b>kgs</b>	<b>239.85</b>					
Deformed Round Bars	kgs	239.85					
G.I. Tie Wire	kgs	3.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Formworks/Scaffoldings</b>	<b>lot</b>	<b>1.00</b>					
H-Frame Rental & accessories	sets	1,800.00					
Rough Lumber	bd.ft.	500.00					
CWN, assorted	kgs	25.00					
Plywood 1/4"	pcs	4.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Masonry Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Masonry Wall - Stairs &amp; Ramp(Class B)</b>	<b>sq.m.</b>	<b>24.56</b>					
Portland Cement	bags	25.00					
Washed Sand	cu.m.	2.10					
CHB 6" Thick	pcs	307.00					
G.I. Tie Wire	kgs	4.00					
<b>Plastering, Stairs &amp; Ramp (Class A @ 16mm)</b>	<b>sq.m.</b>	<b>10.40</b>					
Portland Cement	bags	3.00					
Washed Sand	cu.m.	0.20					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Doors and Windows</b>	<b>lot</b>	<b>1.00</b>					
Removal of Door with Jamb	sets	18.00					
Removal of Windows with Jamb	sq.m.	66.00					
Panel Door 1.0m x 2.40m with 2" x 6" Door Jamb	sets	16.00					
Foldable Panel Door Type with 4" x 6" Door Jamb, complete with accessories, 3.5m x 3.0m, see design	sets	6.00					
Flush Door 0.70m x 2.10m complete with accessories	sets	3.00					
Capiz type window on 2" x 4" analoc window frames, complete with Accessories (see attached design)	sq.m.	146.35					
Stainless Steel Lockset, heavy duty, (see attached design)	sets	16.00					
4x4 Stainless Steel Butterfly Hinge	sets	204.00					
Minor Tools (5% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Steel Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Security Grilles</b>							
12mm Square Bar	pcs	208.00					
4.5mm x 25mm Flat Bar	pcs	35.00					
Welding Rod	kgs	10.00					
Red Lead Primer	gal	14.00					
<b>Stair &amp; Ramp Railings</b>							
Stainless Steel #304 2" diameter	pcs	18.00					
Welding Rod (stainless)	kgs	3.00					
<b>Comfort Room &amp; Kitchen</b>							
MS Plate 4' x 8' x 5mm	pc	6.00					

Steel Matting 3.2mm x 50mm x 50mm (4'x8')	pc	6.00					
2"x 2"x 4.5mm Angle Bar	pc	6.00					
<b>Marker</b>							
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					
<b>Sub-total</b>							
<b>Roofing Works</b>	<b>sq.m</b>	<b>860.60</b>					
Removal of Roofing Sheets	sq.m	860.60					
Removal of Ridge Roll	pc	33.00					
Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm thk	lm	904.00					
Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	33.00					
Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	20.00					
Gutter, 0.50mm thick, Pre-Painted, see attached design	pc	66.00					
Gutter Holder, see attached design	pc	168.00					
Teckscrew 2-1/2"	pc	7,232.00					
Blind Rivets 3/16 x 1"	pc	660.00					
Roof Sealant	L	14.00					
Steel Matting, 3.2mmx50mmx50mm (4'x8')	pcs	348.00					
5mm Double sided Aluminum Insulator x 50m	roll	19.00					
1" x 12" S4S Wooden Fascia Board	bd.ft.	320.78					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Carpentry Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Dismantling Works</b>							
Removal of Purlins, Trusses & Members	bd.ft	4,443.56					
Removal of Floor Joists, Wooden Posts & Girders	bd.ft	11,587.90					
Removal of T&G (Floor)	bd.ft.	2,548.02					
Removal of Ceiling Boards & joists	sq.m.	313.06					
Removal of Partitions	sq.m.	327.78					
<b>Purlins, Trusses &amp; Members</b>							
Rough Lumber, Sun Dried, Tanguile	bd.ft	1,110.89					
Common Wire Nails	kg	31.5793					
Wood Preservative	L	6.00					
<b>Posts, Girders, Floor Joists</b>							
Rough Lumber, Sun Dried, Tanguile	bd.ft	7,242.44					
Common Wire Nails	kg	131.00					
Wood Preservative	L	46.00					
1/4"x2" Flat Bar	pc	5.00					
16mm Square Head & Nut Log Bolt with Both Washers	set	54.00					
<b>Wooden Flooring</b>							
1" x 4" T&G	bd.ft.	1,070.17					
1" x 6" S4S Interior Baseboard	bd.ft.	122.45					
Finishing Nails	kg	16.00					
Wood Preservative	L	8.00					
<b>Ceiling</b>	<b>sq.m.</b>	<b>800.67</b>					
Rough Lumber, Sun Dried, Tanguile	bd.ft	1,110.00					
1" x 6" S4S V-Cut	bd.ft.	1,264.00					
Marine Plywood, 1/4" x 4' x 8'	pcs	44.00					
1" x 4" S4S Lumber (Ceiling Cornice Decorative Lines)	bd.ft	292.00					

1" x 2" S4S Good Lumber (Ceiling Eaves Cornice-outer)	bd.ft	160.00					
1" x 6" S4S Good Lumber (Interior Ceiling Cornice - Perimeter)	bd.ft	285.00					
Finishing Nails	kg	27.00					
Common Wire Nails	kg	20.00					
Wood Preservative	L	20.00					
<b>Wall Panels, Frames and Wooden Railings</b>							
1" x 8" T&G with Groove for Exterior Sidings	bd.ft	2,682.64					
3/4" x 8" S4S	bd.ft	413.03					
1" x 1" x10' Quarter Moulding	pcs	616.00					
3/4" x 6" S4S Wooden Railings	bd.ft	215.10					
Good Lumber (Horizontal & Vertical Studs)	bd.ft	1,045.71					
Finishing Nails	kg	20.00					
Common Wire Nails	kg	19.00					
<b>Stairs</b>							
3" x 3" Wood Stanchion	bd.ft	22.14					
2" x 4" Wood Ballusters	bd.ft	133.82					
2" x 4" Wood Handrail	bd.ft	66.39					
2" x 12" Wood Stair Carriage	bd.ft	66.39					
2" x 12" Molave Wood Step	bd.ft	275.52					
2" x 4" Wood kick plate	bd.ft	13.12					
Rough Lumber, Sun Dried, Tanguile	bd.ft	577.38					
Finishing Nails	kg	21.00					
Common Wire Nails	kg	11.00					
Wood Preservative	L	17.00					
<b>Kitchen &amp; CR</b>							
Rough Lumber, Sun Dried, Tanguile	bd.ft	67.34					
Marine Plywood, 3/4" x 4' x 8'	pc	12.00					
Finishing Nails	kg	2.00					
Common Wire Nails	kg	5.00					
Minor Tools (2% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Electrical Works</b>	<b>lot</b>	<b>1.00</b>					
<b>Roughing-ins</b>							
Moldflex 1/2"	roll	6.00					
RSC 25mmØ	pc	1.00					
Entrance Cap 25mm dia.	pc	1.00					
Junction Box, 4" x 4"	pc	16.00					
Utility Box, 2" x 4"	pc	20.00					
<b>Wires &amp; Fixtures</b>							
2.0 mm2 THW Wire, Stranded	m	1,200.00					
3.5 mm2 THW Wire, Stranded	m	800.00					
5.5 mm2 THW Wire, Stranded	m	50.00					
Duplex C.O. with Plate	pc	16.00					
2-Gang Switch with Plate (flushed)	pc	8.00					
1-Gang Switch with Plate (flushed)	pc	3.00					
300mm diam. Reflectorized Bowl Type Housing	pc	98.00					
300mm diam. Globe Diffuser with Metal Hanger	pc	3.00					
80W LED	pc	101.00					
Orbit Type Ceiling Fan with Control Switch	set	24.00					
Lighting Fixture Holder, see detail	set	98.00					
Circuit Breaker, 15A 2P	set	8.00					
Circuit Breaker, 25A 2P	set	4.00					
Circuit Breaker, 100A 2P	set	1.00					

Panel Box, Flush Type, 16holes	set	1.00					
Electrical Tape	pc	6.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Plumbing Works</b>	<b>lot</b>	<b>1.00</b>					
PP-R Pipe 1/2"Ø	pc	16.00					
PP-R Tee, 1" x 1/2"Ø	pc	12.00					
PP-R Elbow 90o x 1/2"Ø	pc	20.00					
1/2" Female Adaptor	pc	9.00					
Teflon Tape	roll	6.00					
Water Closet 1.6gpf with Accessories	pc	3.00					
Lavatory with Pedestal, Pozzi or equivalent	pc	3.00					
1 1/2" PVC P-Trap for Sink	pc	3.00					
Mirror	sqft	12.00					
Stainless Steel Kitchen Sink, Double Bowl, Heavy Guage	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	3.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Sanitary Works</b>	<b>lot</b>	<b>1.00</b>					
uPVC Sanitary Pipe 4"Ø	pc	12.00					
uPVC Sanitary Pipe 2"Ø	pc	8.00					
2" PVC Elbow	pc	8.00					
4" PVC Elbow	pc	8.00					
2" x 2" Tee	pc	3.00					
4" x 2" Wye	pc	3.00					
2" PVC P - Trap	pc	3.00					
4" PVC Clean Out	pc	3.00					
PVC Solvent Cement	can	2.00					
<b>Downspout</b>							
PVC Pipe 3"Ø, S-1000	pc	36.00					
uPVC Elbow x 3"Ø	pc	36.00					
PVC Cement	can	4.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Painting Works</b>	<b>sq.m.</b>	<b>2,379.06</b>					
<b>Wood &amp; Metal surfaces</b>	<b>sq.m</b>	<b>1,792.46</b>					
Enamel, Flatwall	gal	180.00					
Enamel, Semi Gloss	gal	18.00					
Glazing Putty	gal	25.00					
Easytite	gal	18.00					
Paint Thinner	gal	50.00					
Paint Brush	pcs	15.00					
Paint Roller with pan	set	12.00					
Sand Paper #100	pcs	320.00					
<b>T&amp;G surfaces</b>	<b>sq.m</b>	<b>586.60</b>					
Sanding Sealer	gal	23.00					
Oil Wood Stain - 2 coats	gal	49.00					
Polyurethane Wood Varnish - 2 coats	gal	29.00					
Paint Brush	pcs	13.00					
Paint Roller with pan	set	12.00					

Sand Paper #100	pcs	350.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>Tile Works</b>	<b>sq.m.</b>	<b>38.75</b>					
Unglazed Floor Tiles 40cm x 40cm	pc	47.00					
Glazed Wall Tiles 40cm x 20cm	pc	360.00					
Tile Grout 2 kg/bag	bag	4.00					
Tile Adhesive 25 kg/bag	bag	8.00					
Portland Cement	bags	13.00					
Washed Sand	cu.m.	2.00					
1" Granite Slab (Black)	sq.m.	2.20					
Waterproofing Membrane with Accessories (1.5mm thick x 1.05m width x 19.05m length / roll)	roll	3.00					
Minor Tools (10% of labor cost)	lot	1.00					
<b>Sub-total</b>							
<b>I. DIRECT COST</b>							
<b>II. INDIRECT COST ____% of (I-General Requirements)</b>							
<b>III. TAX 5% of (I+II)</b>							
<b>TOTAL CONSTRUCTION COST (I+ II+ III)</b>							

Prepared by:

CONTRACTOR  
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 Costruction Firm