

(CONSTRUCTION FIRM'S LETTERHEAD)

PROGRAM OF WORKS
REPAIR OF SCHOOL BUILDINGS / GAA 2018 (CALAMITY FUND)

School: San Carlos Heights ES		Date: January 2018				
School I.D.: 136389		Budget Allocation:				
Region: CAR		Engineering and Administrative Overhead:				
Division: Baguio City		Approved Budget for Contract: PHP 3,680,099.50				
Project Title:		Completion Period: 60 calendar days				
REPAIR OF CLASSROOMS		Minimum Required Manpower:				
		Project Engineer	Welder	Carpenter		
Plan:		Minimum Required Equipment:				
		Materials Engineer	Mason	Painter		
Location: San Carlos Heights, Baguio City		General Foreman				
		Helper				
San Carlos Heights, Baguio City		Various Hand Tools				
		Various Power Tools	H-Frame	Bar Cutter		
Item I.D.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	2STOREY 8CLASSROOMS WITH BASEMENT					
	I. DIRECT COST					
	General Requirements		lot	1.00		
D	Formworks		lot	1.00		
E	Masonry Works		lot	1.00		
G	Roofing Works		sq.m.	393.91		
H	Carpentry Works		lot	1.00		
I	Electrical Works		lot	1.00		
J	Doors & Windows		lot	1.00		
K	Painting Works		sq.m.	1,976.39		
L	Sanitary Works		lot	1.00		
M	TILE WORKS		sq.m.	69.90		
	II. INDIRECT COST					
	Overhead Expenses 8% of (I - Gen. Reqmts.)					
	Contingencies 3% of (I - Gen. Reqmts.)					
	Miscellaneous 1% of (I - Gen. Reqmts.)					
	Contractor's Profit ___% of (I - Gen. Reqmts.)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					

Prepared:

SIGNATURE OVER PRINTED NAME

Construction Firm

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PROJECT : REPAIR OF CLASSROOMS
 SCHOOL : SAN CARLOS HEIGHTS ES
 LOCATION: SAN CARLOS HEIGHTS, BAGUIO CITY
 OWNER : DEPARTMENT OF EDUCATION
 SUBJECT :

BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MAT'L	LABOR	MATERIAL	LABOR	
2STOREY 8CLASSROOMS WITH BASEMENT								
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/ Demobilization/ Tarpaulin, etc.	lot	1.00					
	Safety and Health	lot	1.00					
	Sub-total							
D	Formworks & Scaffolding	lot	1.00					
	H-Frame Rental	sets	250.00					
	H-Frame Installation	sets	250.00					
	Sub-total							
E	Masonry Works	lot	1.00					
	Plastering (Class B Mixture @ 20mm thick plaster)	sq.m.	179.45					
	Demolition of Masonry Wall	sq.m	10.51					
	Portland Cement	bag	78.00					
	Washed Sand	cu.m	4.31					
	Sub-total							
G	Roofing Works	sq.m.	393.91					
	Removal of Roofing Sheets	sq.m	393.91					
	Removal of Ridge Roll	pc	22.00					
	Removal of Flashing	pc	9.00					
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	LM	424.00					
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	22.00					
	Flashing, Pre-Painted, Spanish, 0.610m x 2.440m x 0.5mm thk	pc	9.00					
	Gutter, Pre-Painted, Spanish, 0.610m x 2.440m x 0.5mm thk	m	37.00					
	Valley Gutter, Pre-Painted, 0.610m x 2.440m x 0.5mm thk	m	3.00					
	Teckscrew 2-1/2"	kg	4,500.00					
	Roof Sealant	L	4.00					
	Blind Rivets	pc	444.00					
	Fascia Board, 3/4" x 10" Lumber	bd.ft	205.21					
	Sub-total							
H	Carpentry Works	lot	1.00					
	Trusses	lot	1.00					
	Removal of Dilapidated Wooden Trusses & Members	bd.ft	660.00					
	Lumber, Hard Wood	bd.ft	968.00					
	CWN, Assorted	kg	29.19235					
	Wooden Flooring	lot	1.00					
	Removal of Joist & T&G Flooring	L.Ft	9,178.40					
	1"x4" T&G Planks	L.Ft	9,178.40					
	Lumber, Hard Wood (2x8)	bd.ft	4,893.22					
	CWN, Assorted	kg	44.10					
	Finishing Nails, Assorted	kg	37.10					
	Ceiling & Other Wooden Portion	sq.m.	610.87					
	Removal of Ceiling	sq.m	480.00					

	Plywood, Marine 1/4" x 4' x 8'	pc	213.00				
	Rough Lumber, Sun Dried, Tanguile	bd.ft	2,807.00				
	Finishing Nails	kg	12.00				
	Common Wire Nails	kg	51.00				
	Concrete Nails	kg	12.00				
	Blackboards	set	8.00				
	Removal of Dilapidated Blackboard & Accs.	set	8.00				
	S4S Lumber, Kiln Dried	bdft	40.96				
	Lawanit, 1/4" thick	pc	16.00				
	Finishing Nails	kg	1.12				
	Common Wire Nails	kg	14.40				
	Concrete Nails	kg	5.00				
	Sub-total						
I	Electrical Works	lot	1.00				
	Roughing-ins						
	Moldflex 1/2"	roll	3.00				
	RSC 20mmØ	pc	1.00				
	Entrance Cap 20mm dia.	pc	1.00				
	Junction Box, 4" x 4"	pc	57.00				
	Utility Box, 2" x 4"	pc	30.00				
	Wires & Fixtures						
	2.0 mm2 THW Wire, Stranded	m	550.00				
	3.5 mm2 THW Wire, Stranded	m	400.00				
	5.5 mm2 THW Wire, Stranded	m	80.00				
	Duplex C.O. with Plate	pc	13.00				
	2-Gang Switch with Plate (flushed)	pc	11.00				
	FL 2 x 40W Industrial Type	set	57.00				
	Circuit Breaker, 15A 2P	set	8.00				
	Circuit Breaker, 25A 2P	set	2.00				
	Circuit Breaker, 75A 2P	set	1.00				
	Panel Box, Flush Type, 10 Branches	set	1.00				
	Electrical Tape	pc	4.00				
	Sub-total						
J	Doors & Windows	lot	1.00				
	Removal of Door with Jamb	set	10.00				
	Removal of Window	sq.m	68.25				
	Steel Door with jamb 0.90m x 2.10m complete with accessories (see design)	set	17.00				
	Analog Aluminum Window with complete accessories (see design)	sq.m.	81.84				
	4.5mm x 25m flat bar	pcs	43.00				
	10mm square bar	pcs	107.00				
	Red Oxide Primer	gal	4.00				
	Sub-total						
K	Painting Works	sq.m.	1,976.39				
	Concrete surfaces	sq.m	833.91				
	Latex, Flat	gal	67.00				
	Putty Filler	gal	24.00				
	Neutralizer	gal	2.00				
	Paint Brush 2"	pc	4.00				
	Paint Roller with Pan	pc	10.00				
	Steel Brush	pc	4.00				
	Sand Paper #80	pc	85.00				
	Wood & Metal Surfaces	sq.m	733.04				
	Enamel, Flatwall	gal	59.00				
	Enamel, Semi Gloss	gal	4.00				
	Glazing Putty	gal	25.00				
	Paint Thinner	gal	11.00				
	Paint Brush 2"	pc	4.00				
	Paint Roller with Pan	pc	9.00				

	Sand Paper #100	pc	80.00				
	<i>Floor Finish</i>	sq.m	409.44				
	Lacquer Thinner	gal	5.00				
	Sanding Sealer	gal	17.00				
	Wood Stain (Light Oak-2 coats)	gal	33.00				
	Polyurethane Paint	gal	28.00				
	Paint Brush 4"	pc	8.00				
	Sand Paper #120	pc	45.00				
	Sub-total						
L	Sanitary Works	lot	1.00				
	PVC Pipe 3"Ø, S-1000	pc	76.00				
	uPVC Elbow x 3"Ø	pc	37.00				
	PVC Cement	can	4.00				
	Sub-total						
M	TILE WORKS	sq.m.	69.90				
	Chipping of Existing Concrete Flooring	sq.m.	69.90				
	Unglazed Floor Tiles 40cm x 40cm	pc	437.00				
	Tile Grout 2 kg/bag	bag	2.00				
	Tile Adhesive 25 kg/bag	bag	7.00				
	Portland Cement	bag	23.00				
	Washed Sand	bag	3.50				
	Sub-total						
	MATERIALS (VAT inclusive)						
	LABOR						
I.	DIRECT COST						
II.	INDIRECT COST ___% of (I - General Requirements)						
III.	TAX 5% of (I+II)						
IV.	TOTAL CONSTRUCTION COST (I+II+III)						

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