

PROGRAM OF WORKS

DETAILED COST ESTIMATE

PROJECT : PROPOSED REPAIR AND REHABILITATION OF -THREE (3) - CLASSROOM SCHOOL BUILDING (BLSB - TYPE 1)
 SCHOOL : TUBIG GUINOO ES
 LOCATION : KAWAYAN, BILIRAN
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					-
	Safety and Health	lot	1.00					-
	Project Billboard	lot	1.00					-
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					-
	Hauling cost	lot	1.00					-
	Sub-total							-
BLDG. NO 1 : 1STRY-2CL (BLSB-TYPE1)								
8.0000 Roofing Works								
8.010	Removal of Roofing Sheets	sq m	158.00					-
	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm BMT	lm	178.60					-
	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm BMT	pc	8.00					-
	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm BMT	pc	7.00					-
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	22.00					-
7.1040	L 20 x 20 x 2mm	kg	96.00					-
7.1020	L 38 x 38 x 4.5mm	kg	61.00					-
	3" Flat head Countersunk screw	pc	380.00					-
8.0900	J-Bolt (6mm dia.)	pc	1,060.00					-
	Teckscrew 2-3/4"	pc	1,848.00					-
8.1300	Roof Sealant	L	4.00					-
	Sub-total							-
9.0000 Carpentry Works								
<i>Trusses and Members</i>								
9.0070	Removal of Wooden Truss/ Beams	bd.ft	36.00					-
9.0080	Removal of Purlins	bd.ft	37.00					-
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	39.00					-
4.0400	CWN, Assorted	kg	40.00					-
9.1900	Wood Preservative, Brown	L	41.00					-
7.1820	Machine Bolts (16 mm dia.)	pc	42.00					-
	<i>Interior ceiling</i>	sq m	102.40					-
9.0100	Removal of Ceiling	sq.m	102.40					-
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	36.00					-
	50 mm x 50 mm Ceiling Joist	bd.ft	209.98					-
	50 mm x 75 mm Ceiling Joist	bd.ft	314.98					-
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	524.96					-
9.2100	Finishing Nails	kg	2.00					-
4.0400	CWN, Assorted	kg	10.00					-
9.2200	Concrete Nails	kg	2.00					-
9.1900	Wood Preservative, Brown	L	4.00					-
	<i>Exterior Ceiling</i>	sq m	44.96					-
9.0100	Removal of Ceiling	sq.m	44.96					-
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	16.00					-
	50 mm x 50 mm Ceiling Joist	bd.ft	146.11					-
	50 mm x 75 mm Ceiling Joist	bd.ft	131.11					-
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	277.22					-
9.2100	Finishing Nails	kg	1.00					-
4.0400	CWN, Assorted	kg	5.00					-
9.2200	Concrete Nails	kg	1.00					-
9.1900	Wood Preservative, Brown	L	2.00					-
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	5.00					-
	<i>Blackboards</i>							-
9.1800	S4S Lumber, Kiln Dried, Tanguile	bd.ft	74.00					-
9.2000	Lawanit, 1/4" thk	pc	4.00					-
9.2100	Finishing Nails	kg	1.00					-
4.0400	CWN, Assorted	kg	2.00					-
9.2200	Concrete Nails	kg	1.00					-
	Sub-total							-
10.0000 Electrical Works								
	<i>Roughing-ins</i>							-
10.0100	Electrical Conduit uPVC, 15mmØ	pc	24.00					-
10.0490	RSC 20mmØ	pc	1.00					-
10.0800	Entrance Cap 20mm dia.	pc	1.00					-
10.1200	Junction Box, 4" x 4" G.I.	pc	8.00					-
10.1300	Utility Box, 2' x 4' G.I.	pc	4.00					-
	<i>Wires & Fixtures</i>							-
10.1600	3.5 mm² THHN Wire, Stranded	m	216.00					-
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	4.00					-

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	2.00					-
10.3610	FL 1 x 40W Industrial Type	set	12.00					-
10.3310	Safety Switch 30A 2P	set	1.00					-
10.5500	Electrical Tape	pc	2.00					-
10.5400	Wall Fan, 60W, 230V, 60Hz	set	4.00					-
	Sub-total		-					-
6.0000	Doors and Windows		-					-
6.0100	Removal of Door with Jamb	set	2.00					-
6.0200	Removal of Window with Jamb	sq.m	31.00					-
6.0200	Removal of Window with Jamb	sq.m	5.00					-
6.0600	Door Jamb	bd.ft	44.00					-
6.0330	D-2, (0.90m x 2.10m) Panel Door	set	2.00					-
6.2000	Hinges, Standard 3-1/2" x 3-1/2"	pa	8.00					-
6.1900	Entrance, Lever Lockset	set	2.00					-
6.0700	Window Jamb	bd.ft	203.00					-
6.1009	Jalousie Window with Clear Glass Blades on Jalousie Type Silver Colored Frame	sq.ft	190.00					-
6.1500	Security Grilles	sq.ft	95.12					-
	Sub-total							-
13.0000	Painting Works							
	Concrete surfaces	sq.m	100.00					
13.0100	Neutralizer	gal	2.00					-
13.0200	Latex, Flat	gal	4.00					-
13.0400	Latex, Semi Gloss	gal	4.00					-
13.0500	Acrylic Color	qrt	1.00					-
	Interior Ceiling	sq.m	102.40					
13.0600	Enamel, Flatwall	gal	6.00					-
13.0800	Enamel, Semi Gloss	gal	11.00					-
13.0900	Paint Thinner	gal	5.00					-
	Exterior Ceiling	sq.m	44.96					
13.0600	Enamel, Flatwall	gal	3.00					-
13.0800	Enamel, Semi Gloss	gal	5.00					-
13.0900	Paint Thinner	gal	2.00					-

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	Partition Wall	sq.m	15.00					
13.0600	Enamel, Flatwall	gal	1.00					-
13.0800	Enamel, Semi Gloss	gal	2.00					-
13.0900	Paint Thinner	gal	1.00					-
	Doors and Windows	sq.m	51.00					
13.0600	Enamel, Flatwall	gal	3.00					-
13.0700	Glazing Putty	gal	3.00					-
13.0800	Enamel, Semi Gloss	gal	6.00					-
13.0900	Paint Thinner	gal	3.00					-
	Sub-total							-
	Ramp on Fill (with Ramp Railing)	cu.m	0.54					
2.0200	Portland Cement	bag	5.00					-
2.0400	Crushed Gravel 1"	cu.m	0.75					-
2.0500	Washed Sand	cu.m	0.50					-
5.0400	10mm x 6m RSB	kg	23.28					-
3.1200	G.I. Tie Wire	kg	1.00					-
7.2610	G.I. Pipe 1-1/2" Ø Sch. 40	pc	6.00					-
7.3600	Welding Rod	kg	3.00					-
	Sub-total							-
	BLDG. NO 2 : 1STRY-1CL (BLSB-TYPE1)							
8.0000	Roofing Works							
8.010	Removal of Roofing Sheets	sq m	79.00					-
	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm BMT	lm	89.30					-
	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm BMT	pc	4.00					-
	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.5mm BMT	pc	3.50					-
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	11.00					-
7.1040	L 20 x 20 x 2mm	kg	48.00					-
7.1020	L 38 x 38 x 4.5mm	kg	30.50					-
	3" Flat head Countersunk screw	pc	190.00					-
8.0900	J-Bolt (6mm dia.)	pc	530.00					-
	Teckscrew 2-3/4"	pc	924.00					-
8.1300	Roof Sealant	L	2.00					-
	Sub-total							-
9.0000	Carpentry Works							
	<i>Trusses and Members</i>							
9.0070	Removal of Wooden Truss/ Beams	bd.ft	18.00					-
9.0080	Removal of Purlins	bd.ft	18.50					-
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	19.50					-
4.0400	CWN, Assorted	kg	20.00					-
9.1900	Wood Preservative, Brown	L	20.50					-
7.1820	Machine Bolts (16 mm dia.)	pc	21.00					-
	Interior ceiling	sq m	51.20					
9.0100	Removal of Ceiling	sq.m	51.20					-
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	18.00					-
	50 mm x 50 mm Ceiling Joist	bd.ft	104.99					
	50 mm x 75 mm Ceiling Joist	bd.ft	157.49					
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	262.48					-
9.2100	Finishing Nails	kg	1.00					-
4.0400	CWN, Assorted	kg	5.00					-
9.2200	Concrete Nails	kg	1.00					-
9.1900	Wood Preservative, Brown	L	2.00					-
	Exterior Ceiling	sq m	22.48					
9.0100	Removal of Ceiling	sq.m	22.48					-
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	8.00					-
	50 mm x 50 mm Ceiling Joist	bd.ft	73.06					
	50 mm x 75 mm Ceiling Joist	bd.ft	65.55					
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	138.61					-
9.2100	Finishing Nails	kg	0.50					-
4.0400	CWN, Assorted	kg	2.50					-
9.2200	Concrete Nails	kg	0.50					-
9.1900	Wood Preservative, Brown	L	1.00					-
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	4.00					-
	<i>Blackboards</i>							
9.1800	S4S Lumber, Kiln Dried, Tanguile	bd.ft	37.00					-
9.2000	Lawanit, 1/4" thk	pc	2.00					-
9.2100	Finishing Nails	kg	0.50					-
4.0400	CWN, Assorted	kg	1.00					-
9.2200	Concrete Nails	kg	0.50					-
	Sub-total							-
10.0000	Electrical Works							
	Roughing-ins							-

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
10.0100	Electrical Conduit uPVC, 15mmØ	pc	12.00					-
10.0490	RSC 20mmØ	pc	0.50					-
10.0800	Entrance Cap 20mm dia.	pc	0.50					-
10.1200	Junction Box, 4" x 4" G.I.	pc	4.00					-
10.1300	Utility Box, 2" x 4" G.I.	pc	2.00					-
	Wires & Fixtures		-					-
10.1600	3.5 mm² THHN Wire, Stranded	m	108.00					-
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	2.00					-
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	1.00					-
10.3610	FL 1 x 40W Industrial Type	set	6.00					-
10.3310	Safety Switch 30A 2P	set	0.50					-
10.5500	Electrical Tape	pc	1.00					-
10.5400	Wall Fan, 60W, 230V, 60Hz	set	2.00					-
	Sub-total		-					-
6.0000	Doors and Windows		-					-
6.0100	Removal of Door with Jamb	set	1.00					-
6.0200	Removal of Window with Jamb	sq.m	15.50					-
6.0200	Removal of Window with Jamb	sq.m	2.50					-
6.0600	Door Jamb	bd.ft	22.00					-
6.0330	D-2, (0.90m x 2.10m) Panel Door	set	2.00					-
6.2000	Hinges, Standard 3-1/2" x 3-1/2"	pa	4.00					-
6.1900	Entrance, Lever Lockset	set	1.00					-
6.0700	Window Jamb	bd.ft	101.50					-
6.1009	Jalousie Window with Clear Glass Blades on JalouPlus Type Silver Colored Frame with Grilles	sq.ft	142.50					-
6.1500	Security Grilles	sq.ft	95.12					-
	Sub-total		-					-
13.0000	Painting Works		-					-
	Concrete surfaces	sq.m	50.00					-
13.0100	Neutralizer	gal	1.00					-
13.0200	Latex, Flat	gal	2.00					-
13.0400	Latex, Semi Gloss	gal	2.00					-
13.0500	Acri Color	qrt	0.50					-
	Interior Ceiling	sq.m	51.20					-
13.0600	Enamel, Flatwall	gal	3.00					-
13.0800	Enamel, Semi Gloss	gal	5.50					-
13.0900	Paint Thinner	gal	2.50					-
	Exterior Ceiling	sq.m	22.48					-
13.0600	Enamel, Flatwall	gal	1.50					-
13.0800	Enamel, Semi Gloss	gal	2.50					-
13.0900	Paint Thinner	gal	1.00					-
	Partition Wall	sq.m	7.50					-
13.0600	Enamel, Flatwall	gal	0.50					-
13.0800	Enamel, Semi Gloss	gal	1.00					-
13.0900	Paint Thinner	gal	0.50					-
	Doors and Windows	sq.m	25.50					-
13.0600	Enamel, Flatwall	gal	1.50					-
13.0700	Glazing Putty	gal	1.50					-
13.0800	Enamel, Semi Gloss	gal	3.00					-
13.0900	Paint Thinner	gal	1.50					-
	Sub-total		-					-
	Ramp on Fill (with Ramp Railing)	cu.m	0.54					-
2.0200	Portland Cement	bag	5.00					-
2.0400	Crushed Gravel 1"	cu.m	0.75					-
2.0500	Washed Sand	cu.m	0.50					-
5.0400	10mm x 6m RSB	kg	23.28					-
3.1200	G.I. Tie Wire	kg	1.00					-
7.2610	G.I. Pipe 1-½"Ø Sch. 40	pc	6.00					-
7.3600	Welding Rod	kg	3.00					-
	Sub-total		-					-
I.	DIRECT COST							-
II.	INDIRECT COST % of (I - Gen. Req.)							-
III.	TAX % of (I + II)							-
IV.	TOTAL CONSTRUCTION COST (I + II + III)							-

Prepared by:

Contractor

PROGRAM OF WORKS

BILL OF QUANTITIES

REPAIR 2022 - R VIII -BILIRAN - 009

School : TUBIG GUINOO ES			Date:				
School I.D : 120841			Budget Allocation:				
Region : VIII			Engineering and Administrative Overhead:				
Division BILIRAN			Approved Budget for the Contract:				
Project Title :			Completion Period:				
: PROPOSED REPAIR AND REHABILITATION OF -THREE (3) - CLASSROOM SCHOOL BUILDING (BLSB - TYPE 1)			Minimum Required Manpower:				
			General Foreman		Welder	Carpenter	
			Helper		Mason	Painter	
Location :			Minimum Required Equipment:				
: KAWAYAN, BILIRAN			Hand Tools		Welding Machine		
			One-Bagger Mixer		Bar Cutter		
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks	
I. DIRECT COST							
	GENERAL REQUIREMENTS		lot	1.00	-	TRIPLE HANDLING (MOUNTAIN AREA)	
	BLDG. NO 1 : 1STRY-2CL (BLSB-TYPE1)						
8.0000	Roofing Works		lot	1.00	-		
9.0000	Carpentry Works		lot	1.00	-		
10.0000	Electrical Works		lot	1.00	-		
6.0000	Doors and Windows		lot	1.00	-		
13.0000	Painting Works		lot	1.00	-		
	Ramp on Fill (with Ramp Railing)		lot	1.00	-		
	BLDG. NO 2 : 1STRY-1CL (BLSB-TYPE1)						
8.0000	Roofing Works		lot	1.00	-		
9.0000	Carpentry Works		lot	1.00	-		
10.0000	Electrical Works		lot	1.00	-		
6.0000	Doors and Windows		lot	1.00	-		
13.0000	Painting Works		lot	1.00	-		
	Ramp on Fill (with Ramp Railing)		lot	1.00	-		
	Sub-Total				-		
	II. INDIRECT COST ___% of (I)						
	Overhead Expenses (___%)				-		
	Contingencies (___%)				-		
	Miscellaneous (___%)				-		
	Contractor's Profit (___%)				-		
	Sub-Total				-		
	III. TAX ___% of (I+II)						
	Sub-Total				-		
	IV. TOTAL CONSTRUCTION COST (I + II + III)	100.00%			-		

Prepared:

Contractor