

# PROGRAM OF WORKS

## BILL OF QUANTITIES

REPAIR 2021 - R VIII -BILIRAN - 002

<b>School</b> : Biliran Science High School			<b>Date:</b>				
<b>School I.D</b> : 313202			<b>Budget Allocation:</b>				
<b>Region</b> : VIII			<b>Engineering and Administrative Overhead:</b>				
<b>Division</b> BILIRAN			<b>Approved Budget for the Contract:</b>				
<b>Project Title</b> :			<b>Completion Period:</b>				
: PROPOSED REPAIR AND REHABILITATION OF ONE (1) STOREY-TWO (2) - CLASSROOM SCHOOL BUILDING (BLSB - TYPE 1)			<b>Minimum Required Manpower:</b>				
			General Foreman		Welder	Carpenter	
			Helper		Mason	Painter	
<b>Location</b> :			<b>Minimum Required Equipment:</b>				
BILIRAN,BILIRAN			Hand Tools		Welding Machine		
			One-Bagger Mixer		Bar Cutter		
ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks	
<b>I. DIRECT COST</b>							
	GENERAL REQUIREMENTS		lot	1.00	-		
5.0000	Roofing Works		lot	1.00	-		
6.0000	Steel Works		lot	1.00	-		
7.0000	Carpentry Works		lot	1.00	-		
8.0000	Electrical Works		lot	1.00	-		
9.0000	Doors and Windows		lot	1.00	-		
10.0000	Painting Works		lot	1.00	-		
	Ramp on Fill (with Ramp Railing)		lot	1.00	-		
	<b>Sub-Total</b>				-		
<b>II. INDIRECT COST ___% of (I)</b>							
	Overhead Expenses (___%)				-		
	Contingencies (___%)				-		
	Miscellaneous (___%)				-		
	Contractor's Profit (___%)				-		
	<b>Sub-Total</b>				-		
<b>III. TAX ___% of (I+II)</b>							
	<b>Sub-Total</b>				-		
<b>IV. TOTAL CONSTRUCTION COST (I + II + III)</b>		<b>100.00%</b>			-		

Prepared:

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Contractor

## PROGRAM OF WORKS

### DETAILED COST ESTIMATE

PROJECT : PROPOSED REPAIR AND REHABILITATION OF ONE (1) STOREY-TWO (2) - CLASSROOM SCHOOL BUILDING (BLSB - TYPE 1)  
 SCHOOL : Biliran Science High School  
 LOCATION : BILIRAN, BILIRAN  
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
<b>GENERAL REQUIREMENTS</b>								
	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				-	-
	<b>Sub-total</b>							-
<b>BLDG. NO 1 : 1STRY-2CL (BLSB-TYPE1)</b>								
8.0000	<b>Roofing Works</b>							
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				-	-
	<b>Sub-total</b>							-
7.0000	<b>Steel Works</b>							
7.0900	L 50 x 50 x 6mm	kg	1,644.00				-	-
7.0200	2" x 4" x 1.5mm C - purlins	kg	1,047.00				-	-
7.1010	L 50 x 50 x 2mm	kg	21.00				-	-
7.1810	Machine Bolts ( 10 mm dia. )	pc	240.00				-	-
7.2200	12mmØ Sag Rods with Standard Nuts and Washers	pc	176.00				-	-
7.1900	Plain Round Bar 16mmØ x 6m	pc	15.00				-	-
7.2000	Turn Buckle 16 mmØ	pc	16.00				-	-
	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 300mm	pc	40.00				-	-
	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 150mm	pc	6.00				-	-
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	2.00				-	-
7.1200	Steel Plate 1.20m x 2.40m x 10mm thk	pc	0.50				-	-
7.3600	Welding Rod	kg	67.00				-	-
13.1100	Primer, Zinc Chromate	gal	5.00				-	-
	<b>Sub-total</b>							-
9.0000	<b>Carpentry Works</b>							
	Interior ceiling	sq m	102.40					
9.0100	Removal of Ceiling	sq.m	102.40				-	-
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	35.00				-	-
	50 mm x 50 mm Ceiling Joist	bd.ft	198.00					
	50 mm x 75 mm Ceiling Joist	bd.ft	298.00					
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	496.00				-	-
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				-	-
	Exterior Ceiling	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				-	-

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	3.00				-	-
	<i>Blackboards</i>		992.00					
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				-	-
	<b>Sub-total</b>							-
10.0000	<b>Electrical Works</b>							
	<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 &amp; 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				-	-
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				-	-
	<b>Sub-total</b>							-
6.0000	<b>Doors and Windows</b>							
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 JalouPlus Type Silver Colored Frame with Grilles	sq.ft	190.00				-	-
	<b>Sub-total</b>							-
13.0000	<b>Painting Works</b>							
	<i>Concrete surfaces</i>							
	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	Acri Color	qrt	1.00				-	-
	<i>Interior Ceiling</i>							
	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				-	-
	<i>Exterior Ceiling</i>							
	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				-	-
	<b>Sub-total</b>							-
	<b>Ramp on Fill (with Ramp Railing)</b>	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				-	-
	<b>Sub-total</b>							-
I.	<b>DIRECT COST</b>							-
II.	<b>INDIRECT COST ___% of (I - Gen. Req.)</b>							-
III.	<b>TAX ___% of (I + II)</b>							-
IV.	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							-

Prepared by:

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Contractor