

# **BILL OF QUANTITIES**

**PROJECT** : REPAIR AND REHABILITATION OF FIVE (5) CLASSROOMS  
**SCHOOL** : BABANLAGAN ELEMENTARY SCHOOL  
**LOCATION** : BABANLAGAN, TALISAYAN, MISAMIS ORIENTAL  
**OWNER** : DEPARTMENT OF EDUCATION  
**SUBJECT** : BILL OF QUANTITIES

I.D. 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 / Standard Billboard / Material Testing	lot	1.00					
	Safety and Health	lot	1.00					
	Hauling cost	lot	1.00					
	<b>Sub-total</b>							
	<b>BUILDING ONE (1) - BLSB I - THREE (3) CLASSROOMS</b>							
5.00	<b>Masonry Works</b>							
5.01	Demolition of Masonry Wall	sq.m	1.00					
	<b>Masonry Wall</b>	sq.m	3.00					
5.04	CHB 4" thk	pc	38.00					
5.02	Portland Cement	bag	2.00					
5.03	Washed Sand	cu.m	1.00					
	<b>Plastering</b>	sq.m	6.00					
5.02	Portland Cement	bag	2.00					
5.03	Washed Sand	cu.m	1.00					
	<b>Sub-total</b>							
6.00	<b>Doors and Windows</b>							
6.01	Removal of Door with Jamb	set	3.00					
6.02	Removal of Window with Jamb	sq.m	0.00					
6.03	D-1, Panel Door 0.90m x 2.10m on 50mm x 150mm Wooden Jamb and fixed glass transom with keyed lever type lockset	set	6.00					
6.07	W -1, (2.6 x 1.83 m) Shutter Type Window Jalousie Holder with Clear Glass Blades on Silver Colored Frame and Fixed Clear Glass Transom on 50 x 150 mm Wooden Jamb complete Accessories	set	3.00					
6.45	W -2, (1.3 x 1.83 m) Shutter Type Window Jalousie Holder with Clear Glass Blades on Silver Colored Frame and Fixed Clear Glass Transom on 50 x 150 mm Wooden Jamb complete Accessories	set	9.00					
6.26	Security Grills (Use 12mm square bar, 3 horizontal bars and vertical bars spaced at 100mm with 1" x 2.5mm angle bar frame)	sq.ft	390.00					
	<b>Sub-total</b>							
7.00	<b>Steel Works</b>							
9.34	Removal of Wooden Trusses	bd.ft	408.00					
9.35	Removal of Purlins	bd.ft	524.96					
7.07	LC 150 x 65 x 20 x 2.0mm	kg	971.04					
7.05	LC 100 x 50 x 15 x 2.0mm	kg	1,490.08					
7.17	Flat Bar 1" x 1/4"	kg	63.72					
7.18	Plain Round Bar 10mmØ x 6m	pc	18.00					
7.33	Anchor Bolt with Nuts and Washer, 16mmØ x 50mm x 300mm	pc	48.00					
7.35	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 200mm	pc	32.00					
7.46	Welding Rod	kg	51.00					
	<b>Hanger</b>							
11.04	G.I. Pipe 1"Ø Sch.40	pc	6.00					
7.17	Flat Bar 1.5" x 1/4"	kg	17.57					
13.12	Primer, Zinc Chromate	gal	4.00					
	<b>Sub-total</b>							
8.00	<b>Roofing Works</b>							
8.01	Removal of Roofing Sheets	m	303.52					
8.02	Removal of Ridge Roll	pc	12.00					
8.03	Removal of Flashing	pc	10.00					
8.05	Removal of Fascia Board	pc	4.00					
8.16	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm thk	m	303.52					
8.17	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm thk	pc	12.00					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
8.19	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm thk	pc	10.00					
8.37	Blind Rivets	pc	2,321.00					
8.36	Roof Sealant	L	6.00					
	<b>Sub-total</b>							
9.00	<b>Ceiling and Carpentry Works</b>							
9.01	Removal of Ceiling	sq.m	241.47					
	<b>Interior and Exterior Ceiling</b>	sq.m	241.47					
9.17	Metal Carrying Channel (12mm x 38mm x 5m x .8mm thk	pc	46.00					
9.09	Fiber Cement Ceiling Board (4.5mm thk)	pc	83.00					
9.18	Metal Double Furring Channel (19mm x 50mm x 5mm x 0.5mm thk	pc	83.00					
9.32	Wall Angle 1" x 1" x 10'	pc	54.00					
9.20	W Clip	pc	204.00					
9.21	Suspension Clip and Rod Joiner	pc	199.00					
9.26	Steel Angle	pc	199.00					
9.33	Suspension Rod #8	kg	199.00					
8.37	Blind Rivets	pc	812.00					
9.16	Concrete Nail #3	kg	3.00					
9.27	Wooden Ceiling Ventilation (25mm x 25mm x 300mm with Wire Mesh)	pc	8.00					
	<b>Blackboards (3 Sets)</b>	sq.m	17.28					
9.14	S4S Lumber, Kiln Dried, Tanguile	bd.ft	110.00					
9.43	Lawanit, 1/4" thk	pc	6.00					
9.22	Finishing Nails	kg	1.00					
9.23	Common Wire Nails	kg	2.00					
9.24	Concrete Nails	kg	1.00					
	<b>Sub-total</b>							
10.00	<b>Electrical Works</b>							
	<b>Roughing-ins</b>							
10.01	Electrical Conduit uPVC, 15mmØ	pc	40.00					
10.06	RSC 20mmØ	pc	1.00					
10.34	Entrance Cap 20mm dia.	pc	1.00					
10.16	Junction Box, 4" x 4" G.I.	pc	18.00					
10.17	Utility Box, 2" x 4" G.I.	pc	12.00					
10.37	Grounding Rod, 2.4m x 16mm dia.	pc	1.00					
	<b>Wires &amp; Fixtures</b>							
10.11	3.5 mm2 THW Wire, Stranded	m	360.00					
10.12	5.5 mm2 THW Wire, Stranded	m	10.00					
10.28	Duplex C.O. with Plate	pc	12.00					
10.25	3-Gang Switch with Plate	pc	3.00					
10.23	Single Switch with Plate	pc	3.00					
10.20	FL 2 x 40W Industrial Type	set	12.00					
10.19	18W Compact Fluorescent Lighting Fixture with Medium keyless type Porcelain Receptacle (surfaced Ceiling Mounted)	set	3.00					
10.48	Panel Box, Flush Type, 4 Branches	set	1.00					
10.40	Circuit Breaker, 40A 2P	set	1.00					
10.38	Circuit Breaker, 20A 2P	set	3.00					
10.38	Circuit Breaker, 20A 2P	set	3.00					
10.55	Fire Alarm Bell, Vibrating Type	set	1.00					
10.56	Fire Alarm Station, Manual Single Action	set	1.00					
10.57	Fire Alarm Control Panel, One Zone	set	1.00					
10.59	Wall Fan (Standard/Any Equivalent)	set	3.00					
10.58	Electrical Tape	pc	5.00					
	<b>Sub-total</b>							
11.00	<b>Plumbing Works</b>							
11.62	Water Closet 1.6gpf with Accessories	set	3.00					
11.61	Water Closet Flange	set	3.00					
11.59	Faucet, Plain Bibb, Brass 1/2"Ø	set	3.00					
11.65	S.S.Floor Drain 4' x 4"	pc	3.00					
11.44	Gate Valve, 1/2"Ø	pc	3.00					
11.06	PP-R Pipe 1/2"Ø	pc	3.00					
11.21	PP-R Elbow 90o x 1/2"Ø	pc	9.00					
11.15	PP-R Tee, 1/2"Ø	set	9.00					
11.66	Teflon Tape	roll	3.00					
	<b>Sub-total</b>							
12.00	<b>Sanitary Works</b>							
12.09	uPVC Sanitary Pipe 4"Ø	pc	4.00					
12.07	uPVC Sanitary Pipe 2"Ø	set	6.00					
12.11	uPVC Elbow 90o x 2"Ø	pc	3.00					
12.13	uPVC Elbow 90o x 4"Ø	pc	3.00					
12.27	uPVC Wye 4" x 4"	pc	3.00					
12.28	Brass Cleanout 4" x 4"	pc	1.00					
12.33	PVC Cement	set	2.00					
	<b>Sub-total</b>							
13.00	<b>Painting Works</b>							
	<b>Concrete surfaces</b>	sq.m	530.00					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
13.01	Latex, Flat	gal	22.00					
13.14	Masonry Putty	gal	22.00					
13.02	Latex, Semi Gloss	gal	22.00					
13.20	Acri Color	qrt	6.00					
	<b>Wood surfaces</b>	sq.m	69.12					
13.04	Enamel, Flatwall	gal	4.00					
13.15	Glazing Putty	gal	4.00					
13.05	Enamel, Semi Gloss	gal	4.00					
13.16	Paint Thinner	gal	2.00					
	<b>Sub-total</b>							
14.00	<b>Tile Works</b>							
	<b>Wall</b>							
14.04	Glazed Wall Tiles 20cm x 20cm	pc	255.00					
14.16	Tile Adhesive 25 kg/bag	bag	6.00					
14.13	Tile Trim 6mm	pc	7.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	<b>Flooring</b>							
14.01	Unglazed Floor Tiles 20cm x 20cm	pc	108.00					
14.16	Tile Adhesive 25 kg/bag	bag	3.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	<b>Sub-total</b>							
<b>CHB SEPTIC VAULT 2.30 X 3.45 X 2.15M</b>								
	<b>Earthworks</b>							
1.01	Clearing and Grubbing	sq.m	3.34					
1.02	Structural Excavation	cu.m	24.00					
1.03	Backfilling and Compaction	cu.m	3.60					
1.04	Gravel Bedding G-1	cu.m	0.33					
	<b>Sub-total</b>							
	<b>Concreting Works</b>							
	<b>Septic Vault Slab</b>	cu.m	1.60					
2.01	Portland Cement	bag	15.00					
2.02	Crushed Gravel 3/4"	cu.m	1.00					
2.03	Washed Sand	cu.m	2.00					
	<b>Sub-total</b>							
	<b>Rebar Works</b>							
	Septic Vault Slab							
3.01	Deformed Round Bars, Grade 40	kg	99.79					
3.02	G.I. Tie Wire	kg	2.00					
	<b>Sub-total</b>							
	<b>Formworks</b>							
4.01	Coco Lumber	bd.ft	199.00					
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	3.00					
4.04	CWN, Assorted	kg	3.00					
	<b>Sub-total</b>							
	<b>Masonry Works</b>							
	<b>Septic Vault CHB Wall</b>	sq.m	28.00					
5.04	CHB 4" thk	pc	350.00					
5.02	Portland Cement	bag	10.00					
5.03	Washed Sand	cu.m	2.00					
3.01	Deformed Round Bars, Grade 40	kg	38.00					
3.02	G.I. Tie Wire	kg	1.00					
	<b>Plastering</b>	sq.m	56.00					
5.02	Portland Cement	bag	19.00					
5.03	Washed Sand	cu.m	2.00					
	<b>Sub-total</b>							
	<b>Sanitary Works</b>							
12.09	uPVC Sanitary Pipe 4"Ø	pc	1.00					
12.13	uPVC Elbow 90o x 4"Ø	pc	2.00					
12.21	uPVC Tee 4" x 4"	pc	6.00					
	<b>Sub-total</b>							
<b>BUILDING SEVEN (7) - PREFAB - TWO (2) CLASSROOMS</b>								
5.00	<b>Masonry Works</b>							
5.01	Demolition of Masonry Wall	sq.m	1.00					
	<b>Masonry Wall</b>	sq.m	2.00					
5.05	CHB 6" thk	pc	25.00					
5.02	Portland Cement	bag	1.00					
5.03	Washed Sand	cu.m	1.00					
	<b>Plastering</b>	sq.m	4.00					
5.02	Portland Cement	bag	2.00					
5.03	Washed Sand	cu.m	1.00					
	<b>Sub-total</b>							
6.00	<b>Doors and Windows</b>							
6.01	Removal of Door with Jamb	set	2.00					
6.02	Removal of Window with Jamb	sq.ft	260.00					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
6.03	D-1, Panel Door 0.90m x 2.10m on 50mm x 150mm Wooden Jamb and fixed glass transom with keyed lever type lockset	set	4.00					
6.07	W -1, (2.6 x 1.83 m) Shutter Type Window Jalousie Holder with Clear Glass Blades on Silver Colored Frame and Fixed Clear Glass Transom on 50 x 150 mm Wooden Jamb complete Accessories	set	2.00					
6.45	W -2, (1.3 x 1.83 m) Shutter Type Window Jalousie Holder with Clear Glass Blades on Silver Colored Frame and Fixed Clear Glass Transom on 50 x 150 mm Wooden Jamb complete Accessories	set	6.00					
6.26	Security Grills (Use 12mm square bar, 3 horizontal bars and vertical bars spaced at 100mm with 1" x 2.5mm angle bar frame)	sq.ft	260.00					
	<b>Sub-total</b>							
7.00	<b>Steel Works</b>							
9.34	Removal of Wooden Trusses	bd.ft	408.00					
9.35	Removal of Purlins	bd.ft	524.96					
7.07	LC 150 x 65 x 20 x 2.0mm	kg	628.32					
7.05	LC 100 x 50 x 15 x 2.0mm	kg	900.48					
7.11	L 25 x 25 x 3mm	kg	16.35					
7.17	Flat Bar 1" x 1/4"	kg	35.40					
7.18	Plain Round Bar 10mmØ x 6m	pc	12.00					
7.33	Anchor Bolt with Nuts and Washer, 16mmØ x 50mm x 300mm	pc	32.00					
7.35	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 200mm	pc	24.00					
7.46	Welding Rod	kg	32.00					
	<b>Hanger</b>							
11.04	G.I. Pipe 1"Ø Sch.40	pc	4.00					
7.17	Flat Bar 1.5" x 1/4"	kg	11.71					
13.12	Primer, Zinc Chromate	gal	4.00					
	<b>Sub-total</b>							
8.00	<b>Roofing Works</b>							
8.01	Removal of Roofing Sheets	m	205.96					
8.02	Removal of Ridge Roll	pc	8.00					
8.03	Removal of Flashing	pc	10.00					
8.04	Removal of Gutter	pc	15.00					
8.05	Removal of Fascia Board	pc	8.00					
8.16	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm thk	m	205.96					
8.17	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm thk	pc	8.00					
8.19	G.I. Flashing, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm thk	pc	10.00					
8.37	Blind Rivets	pc	1,409.00					
8.36	Roof Sealant	L	4.00					
	<b>Sub-total</b>							
9.00	<b>Ceiling and Carpentry Works</b>							
9.01	Removal of Ceiling	sq.m	4.00					
	<b>Interior and Exterior Ceiling</b>	sq.m	163.87					
9.17	Metal Carrying Channel (12mm x 38mm x 5m x .8mm thk	pc	32.00					
9.09	Fiber Cement Ceiling Board (4.5mm thk)	pc	57.00					
9.18	Metal Double Furring Channel (19mm x 50mm x 5mm x 0.5mm thk	pc	56.00					
9.32	Wall Angle 1" x 1" x 10'	pc	37.00					
9.20	W Clip	pc	263.00					
9.21	Suspension Clip and Rod Joiner	pc	135.00					
9.26	Steel Angle	pc	151.00					
9.33	Suspension Rod #8	kg	148.00					
8.37	Blind Rivets	pc	551.00					
9.16	Concrete Nail #3	kg	2.00					
9.27	Wooden Ceiling Ventilation (25mm x 25mm x 300mm with Wire Mesh)	pc	6.00					
	<b>Blackboards (2 Sets)</b>	sq.m	11.52					
9.14	S4S Lumber, Kiln Dried, Tanguile	bd.ft	74.00					
9.43	Lawanit, 1/4" thk	pc	4.00					
9.22	Finishing Nails	kg	1.00					
9.23	Common Wire Nails	kg	2.00					
9.24	Concrete Nails	kg	1.00					
	<b>Sub-total</b>							
10.00	<b>Electrical Works</b>							
	<b>Roughing-ins</b>							
10.01	Electrical Conduit uPVC, 15mmØ	pc	20.00					
10.06	RSC 20mmØ	pc	1.00					
10.34	Entrance Cap 20mm dia.	pc	1.00					
10.16	Junction Box, 4" x 4" G.I.	pc	12.00					
10.17	Utility Box, 2" x 4" G.I.	pc	8.00					
10.37	Grounding Rod, 2.4m x 16mm dia.	pc	1.00					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
	<b>Wires &amp; Fixtures</b>							
10.11	3.5 mm2 THW Wire, Stranded	m	120.00					
10.12	5.5 mm2 THW Wire, Stranded	m	10.00					
10.28	Duplex C.O. with Plate	pc	8.00					
10.25	3-Gang Switch with Plate	pc	2.00					
10.23	Single Switch with Plate	pc	2.00					
10.20	FL 2 x 40W Industrial Type	set	8.00					
10.19	18W Compact Fluorescent Lighting Fixture with Medium keyless type Porcelain Receptacle (surfaced Ceiling Mounted)	set	2.00					
10.48	Panel Box, Flush Type, 4 Branches	set	1.00					
10.40	Circuit Breaker, 40A 2P	set	1.00					
10.38	Circuit Breaker, 20A 2P	set	3.00					
10.59	Wall Fan (Standard/Any Equivalent)	set	4.00					
10.58	Electrical Tape	pc	8.00					
	<b>Sub-total</b>							
11.00	<b>Plumbing Works</b>							
11.62	Water Closet 1.6gpf with Accessories	set	2.00					
11.61	Water Closet Flange	set	2.00					
11.59	Faucet, Plain Bibb, Brass 1/2"Ø	set	2.00					
11.65	S.S.Floor Drain 4' x 4"	pc	2.00					
11.44	Gate Valve, 1/2"Ø	pc	2.00					
11.06	PP-R Pipe 1/2"Ø	pc	2.00					
11.21	PP-R Elbow 90o x 1/2"Ø	pc	6.00					
11.15	PP-R Tee, 1/2"Ø	set	6.00					
11.66	Teflon Tape	roll	4.00					
	<b>Sub-total</b>							
12.00	<b>Sanitary Works</b>							
12.09	uPVC Sanitary Pipe 4"Ø	pc	1.00					
12.07	uPVC Sanitary Pipe 2"Ø	set	3.00					
12.11	uPVC Elbow 90o x 2"Ø	pc	2.00					
12.13	uPVC Elbow 90o x 4"Ø	pc	2.00					
12.27	uPVC Wye 4" x 4"	pc	2.00					
12.28	Brass Cleanout 4" x 4"	pc	1.00					
12.33	PVC Cement	set	2.00					
	<b>Sub-total</b>							
13.00	<b>Painting Works</b>							
	<b>Concrete surfaces</b>	sq.m	390.00					
13.01	Latex, Flat	gal	16.00					
13.14	Masonry Putty	gal	16.00					
13.02	Latex, Semi Gloss	gal	16.00					
13.20	Acri Color	qtr	7.00					
	<b>Wood surfaces</b>	sq.m	20.92					
13.04	Enamel, Flatwall	gal	2.00					
13.15	Glazing Putty	gal	2.00					
13.05	Enamel, Semi Gloss	gal	2.00					
13.16	Paint Thinner	gal	3.00					
	<b>Sub-total</b>							
14.00	<b>Tile Works</b>							
	<b>Wall</b>							
14.04	Glazed Wall Tiles 20cm x 20cm	pc	204.00					
14.16	Tile Adhesive 25 kg/bag	bag	3.00					
14.13	Tile Trim 6mm	pc	7.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	<b>Flooring</b>							
14.01	Unglazed Floor Tiles 20cm x 20cm	pc	72.00					
14.16	Tile Adhesive 25 kg/bag	bag	2.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	<b>Sub-total</b>							
I.	<b>DIRECT COST</b>							
II.	<b>INDIRECT COST 22% of (I)</b>							
III.	<b>TAX 5% of (I + II)</b>							
IV.	<b>TOTAL CONSTRUCTION COST (I + II + III)</b>							

Prepared:

Contractor