

BILL OF QUANTITIES

PROJECT : REPAIR/REHABILITATION OF TWO CLASSROOMS (DEPED- BUILDING 1)
SCHOOL : MAGSAYSAY CENTRAL SCHOOL
LOCATION : MAGSAYSAY, 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	
	GENERAL REQUIREMENTS							
	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					
	Sub-total							
	BUILDING ONE (1) - DEPED DESIGN - TWO (2) CLASSROOMS							
6.00	Doors and Windows							
6.01	Removal of Door with Jamb	set	2.00					
6.02	Removal of Window with Jamb	sq.ft	260.00					
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	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 Grilles (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					
	Sub-total							
7.00	Steel Works							
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					
	Hanger							
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					
	Sub-total							
8.00	Roofing Works							
8.01	Removal of Roofing Sheets	m	205.96					
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					
	Sub-total							
9.00	Ceiling and Carpentry Works							

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
9.01	Removal of Ceiling	sq.m	4.00					
	Interior and Exterior Ceiling	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					
	Blackboards (2 Sets)	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					
	Sub-total							
10.00	Electrical Works							
	Roughing-ins							
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					
	Wires & Fixtures							
10.11	3.5 mm2 THW Wire, Stranded	m	180.00					
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	4.00					
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	2.00					
10.58	Electrical Tape	pc	4.00					
	Sub-total							
11.00	Plumbing Works							
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	2.00					
	Sub-total							
12.00	Sanitary Works							
12.09	uPVC Sanitary Pipe 4"Ø	pc	2.00					
12.07	uPVC Sanitary Pipe 2"Ø	set	6.00					
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					
	Sub-total							
13.00	Painting Works							
	Concrete surfaces	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	qrt	4.00					
	Wood surfaces	sq.m	20.92					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
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	1.00					
	Sub-total							
14.00	Tile Works							
	Wall							
14.04	Glazed Wall Tiles 20cm x 20cm	pc	288.00					
14.16	Tile Adhesive 25 kg/bag	bag	8.00					
14.13	Tile Trim 6mm	pc	7.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	Flooring							
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					
	Sub-total							
CHB SEPTIC VAULT 2.30 X 3.45 X 2.15M								
	Earthworks							
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					
	Sub-total							
	Concreting Works							
	Septic Vault Slab							
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					
	Sub-total							
	Rebar Works							
	Septic Vault Slab							
3.01	Deformed Round Bars, Grade 40	kg	99.79					
3.02	G.I. Tie Wire	kg	2.00					
	Sub-total							
	Formworks							
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					
	Sub-total							
	Masonry Works							
	Septic Vault CHB Wall							
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					
	Plastering							
5.02	Portland Cement	bag	19.00					
5.03	Washed Sand	cu.m	2.00					
	Sub-total							
	Sanitary Works							
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					
	Sub-total							
BUILDING THREE (3) - DEPED DESIGN - TWO (2) CLASSROOMS								
5.00	Masonry Works							
5.01	Demolition of Masonry Wall	sq.m	1.00					
	Masonry Wall							
5.04	CHB 4" thk	pc	25.00					
5.02	Portland Cement	bag	1.00					
5.03	Washed Sand	cu.m	1.00					
	Plastering							
5.02	Portland Cement	bag	2.00					
5.03	Washed Sand	cu.m	1.00					
	Sub-total							
6.00	Doors and Windows							
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 Grilles (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					
	Sub-total							
8.00	Roofing Works							
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					
	Sub-total							
9.00	Ceiling and Carpentry Works							
9.01	Removal of Ceiling	sq.m	4.00					
	Interior and Exterior Ceiling	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					
	Blackboards (2 Sets)	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					
	Sub-total							
10.00	Electrical Works							
	Roughing-ins							
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					
	Wires & Fixtures							
10.11	3.5 mm2 THW Wire, Stranded	m	180.00					
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	Medium keyless type Porcelain Receptacle	set	4.00					
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	3.00					

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
10.58	Electrical Tape	pc	4.00					
	Sub-total							
11.00	Plumbing Works							
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	2.00					
	Sub-total							
12.00	Sanitary Works							
12.09	uPVC Sanitary Pipe 4"Ø	pc	2.00					
12.07	uPVC Sanitary Pipe 2"Ø	set	6.00					
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					
	Sub-total							
13.00	Painting Works							
	Concrete surfaces	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	qrt	4.00					
	Wood surfaces	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	1.00					
	Steel Surfaces	sq.m	203.79					
13.12	Primer, Zinc Chromate	gal	3.00					
	Sub-total							
14.00	Tile Works							
	Wall							
14.04	Glazed Wall Tiles 20cm x 20cm	pc	288.00					
14.16	Tile Adhesive 25 kg/bag	bag	8.00					
14.13	Tile Trim 6mm	pc	7.00					
14.15	Tile Grout 5 kg/bag	bag	4.00					
	Flooring							
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					
	Sub-total							
	CHB SEPTIC VAULT 2.30 X 3.45 X 2.15M							
	Earthworks							
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					
	Sub-total							
	Concreting Works							
	Septic Vault Slab	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					
	Sub-total							
	Rebar Works							
	Septic Vault Slab							
3.01	Deformed Round Bars, Grade 40	kg	99.79					
3.02	G.I. Tie Wire	kg	2.00					
	Sub-total							
	Formworks							
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					
	Sub-total							
	Masonry Works							

I.D. NO	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
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					
	Plastering	sq.m	56.00					
5.02	Portland Cement	bag	19.00					
5.03	Washed Sand	cu.m	2.00					
	Sub-total							
	Sanitary Works							
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	7.00					
	Sub-total							
I.	DIRECT COST							
II.	INDIRECT COST 22% of (I)							
III.	TAX 5% of (I + II)							
IV.	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared:

Contractor