



Republic of the Philippines
DEPARTMENT OF EDUCATION
 FACILITIES AND SCHOOLS ENGINEERING DIVISION
 Pasig City



PROJECT: PROPOSED ONE CLASSROOM 7 X 9 (ORIGINAL)
SCHOOL:
LOCATION:
OWNER: DEPARTMENT OF EDUCATION
SUBJECT: APPROVED AGENCY ESTIMATE

I.D. NO	DESCRIPTION	UNIT	QTY	GRAND TOTAL
	GENERAL REQUIREMENTS			
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00	4,353.89
	Sub-total			4,353.89
1.00	Earthworks			
1.01	Clearing and Grubbing	sq.m	76.50	1,530.00
1.02	Structural Excavation	cu.m	14.69	2,937.60
1.03	Backfilling and Compaction	cu.m	10.03	451.26
1.04	Gravel Bedding G-1	cu.m	4.76	3,710.46
1.06	Select Fill	cu.m	7.65	1,491.75
1.05	Soil Poisoning	sq.m	84.15	1,640.93
	Sub-total			11,762.00
2.00	Concreting Works			
	Column Footing	cu.m	1.46	
2.01	Portland Cement	bag	14.00	3,185.00
2.05	Crushed Gravel 1"	cu.m	1.50	1,275.00
2.03	Washed Sand	cu.m	0.75	562.50
	Wall Footing	cu.m	3.20	
2.01	Portland Cement	bag	29.00	6,597.50
2.05	Crushed Gravel 1"	cu.m	3.25	2,762.50
2.03	Washed Sand	cu.m	1.75	1,312.50
	Column	cu.m	2.14	
2.01	Portland Cement	bag	20.00	4,550.00
2.02	Crushed Gravel 3/4"	cu.m	2.25	2,193.75
2.03	Washed Sand	cu.m	1.25	937.50
	Beams	cu.m	2.60	
2.01	Portland Cement	bag	24.00	5,460.00
2.02	Crushed Gravel 3/4"	cu.m	2.75	2,681.25
2.03	Washed Sand	cu.m	1.50	1,125.00
	Slab on Grade	cu.m	7.65	
2.01	Portland Cement	bag	69.00	15,697.50
2.05	Crushed Gravel 1"	cu.m	7.75	6,587.50
2.03	Washed Sand	cu.m	4.00	3,000.00
	Ramp on Fill	cu.m	0.32	
2.01	Portland Cement	bag	3.00	682.50
2.05	Crushed Gravel 1"	cu.m	0.50	425.00
2.03	Washed Sand	cu.m	0.25	187.50

	Sub-total			59,222.50
3.00	Rebar Works			
	Footing	kg	111.16	
	Wall Footing	kg	96.19	
	Column	kg	445.17	
	Beam	kg	431.34	
	Slab on Grade	kg	201.22	
	Ramp on Fill	kg	13.64	
3.01	Deformed Round Bars, Grade 40	kg	1,298.71	51,543.45
3.02	G.I. Tie Wire	kg	26.00	1,495.00
	Sub-total			53,038.45
4.00	Formworks			
	Column	sq.m	37.41	
4.01	Coco Lumber	bd.ft	190.80	3,472.56
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	7.00	2,870.00
4.04	CWN, Assorted	kg	3.00	234.00
	Beams	sq.m	42.10	
4.01	Coco Lumber	bd.ft	214.80	3,909.36
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	8.00	3,280.00
4.04	CWN, Assorted	kg	4.00	312.00
	Sub-total			14,077.92
5.00	Masonry Works			
	Masonry Wall	sq.m	98.28	
5.05	CHB 6" thk	pc	1,229.00	15,362.50
5.02	Portland Cement	bag	50.00	11,800.00
5.03	Washed Sand	cu.m	5.00	3,900.00
5.06	10mm x 6m RSB	kg	131.00	5,790.61
5.07	G.I. Tie Wire	kg	3.00	195.00
5.08	Concrete Louver Blocks	pc	16.00	624.00
	Plastering	sq.m	196.56	
5.02	Portland Cement	bag	65.00	15,340.00
5.03	Washed Sand	cu.m	7.00	5,460.00
	Sub-total			58,472.11
6.00	Doors and Windows			
6.03	D-1, Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories	set	2.00	15,410.25
6.07	W - 1, (2.6 x 1.6 m) Jalousie Window with Clear Glass Blades on Standard Aluminum Casing and Fixed Clear Glass Transom on 50 x 150 mm Wooden Jamb complete with Accessories	set	2.00	15,410.00
6.45	W - 2, (1.3 x 1.6 m) Jalousie Window with Clear Glass Blades on Standard Aluminum Casing and Fixed Clear Glass Transom on 50 x 150 mm Wooden Jamb complete with Accessories	set	2.00	7,661.00
	Sub-total			38,481.25
7.00	Steel Works			
7.08	LC 150 x 65 x 20 x 3.0mm	kg	500.40	25,045.02
7.04	LC 100 x 50 x 15 x 1.5mm	kg	395.14	19,776.56
7.11	L 25 x 25 x 3mm	kg	98.11	4,893.83
7.17	Flat Bar 1" x 1/4"	kg	21.24	1,059.45
7.18	Plain Round Bar 10mmØ x 6m	pc	6.00	834.60
7.25	Steel Plate 1.20m x 2.40m x 10mm	pc	0.25	3,022.50

7.33	Anchor Bolt with Nuts and Washer, 16mmØ x 50mm x 300mm	pc	16.00	936.00
7.35	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 200mm	pc	16.00	249.60
7.46	Welding Rod	kg	21.00	1,829.10
13.12	Primer, Zinc Chromate	gal	2.00	1,396.20
	Sub-total			59,042.85
8.00	Roofing Works			
8.06	Corrugated G.I. Sheet Ga.26, 36" x 8'	pc	17.00	8,248.40
8.07	Corrugated G.I. Sheet Ga.26, 36" x 9'	pc	17.00	9,275.20
8.08	Corrugated G.I. Sheet Ga.26, 36" x 10'	pc	34.00	20,604.00
8.14	Ridge Roll Ga.26, 24"x 8'	pc	5.00	1,650.00
8.13	Flashing Ga.26, 24"x 8'	pc	10.00	3,300.00
8.35	Teckscrew 2-1/2"	pc	816.00	1,774.80
8.36	Roof Sealant	L	1.00	248.00
	Sub-total			45,100.40
9.00	Carpentry Works			
	Interior ceiling	sq.m	70.00	
9.13	Rough Lumber, Sun Dried, Tanguile	bd.ft	306.00	14,320.80
9.02	Plywood, Ordinary 1/4" x 4' x 8'	pc	24.00	9,840.00
9.22	Finishing Nails	kg	2.00	182.00
9.23	Common Wire Nails	kg	6.00	390.00
9.42	Wood Preservative, Brown	L	1.00	1,170.00
	Exterior Ceiling	sq.m	31.72	
9.13	Rough Lumber, Sun Dried, Tanguile	bd.ft	139.00	6,505.20
9.06	Plywood, Marine 1/4" x 4' x 8'	pc	11.00	5,115.00
9.22	Finishing Nails	kg	1.00	91.00
9.23	Common Wire Nails	kg	3.00	195.00
9.42	Wood Preservative, Brown	L	1.00	1,170.00
9.19	Fascia Board, Fiber Cement 10" x 12'	pc	12.00	5,499.00
9.15	Ceiling Vent 1" x 12" x 4' with Screen	pc	6.00	1,911.00
	Blackboards	sq.m	5.76	
9.14	S4S Lumber, Kiln Dried, Tanguile	bd.ft	37.00	3,030.30
9.43	Lawanit, 1/4" thk	pc	2.00	728.00
9.22	Finishing Nails	kg	1.00	91.00
9.23	Common Wire Nails	kg	1.00	65.00
9.24	Concrete Nails	kg	1.00	91.00
	Sub-total			50,394.30
10.00	Electrical Works			
	Roughing-ins			
10.01	Electrical Conduit uPVC, 15mmØ	pc	20.00	1,300.00
10.06	RSC 20mmØ	pc	1.00	146.25
10.34	Entrance Cap 20mm dia.	pc	1.00	57.50
10.16	Junction Box, 4" x 4" G.I.	pc	6.00	117.00
10.17	Utility Box, 2" x 4" G.I.	pc	4.00	74.10
10.37	Grounding Rod, 2.4m x 16mm dia.	pc	1.00	172.50
	Wires & Fixtures			
10.11	3.5 mm ² THW Wire, Stranded	m	180.00	5,475.60
10.28	Duplex C.O. with Plate	pc	2.00	322.00
10.25	3-Gang Switch with Plate	pc	1.00	226.84
10.23	Single Switch with Plate	pc	1.00	103.21
10.20	FL 2 x 40W Industrial Type	set	4.00	3,864.00
10.21	FL 1 x 40W Industrial Type	set	1.00	563.50

10.46	Safety Switch 30A 2P	set	1.00	693.74
10.58	Electrical Tape	pc	1.00	43.13
	Sub-total			13,159.36
13.00	Painting Works			
	Concrete surfaces	sq.m	196.56	
13.18	Neutralizer	gal	3.00	514.80
13.01	Latex, Flat	gal	8.00	4,409.60
13.14	Masonry Putty	gal	8.00	3,828.00
13.02	Latex, Semi Gloss	gal	8.00	5,033.60
13.20	Acri Color	qrt	2.00	429.00
	Wood surfaces	sq.m	84.16	
13.04	Enamel, Flatwall	gal	5.00	3,139.50
13.15	Glazing Putty	gal	5.00	3,690.00
13.05	Enamel, Semi Gloss	gal	5.00	3,230.50
13.16	Paint Thinner	gal	3.00	663.00
	Roofing & Accessories	sq.m	101.92	
13.12	Primer, Zinc Chromate	gal	4.00	2,792.40
13.13	Gloss Acrylic Roof Paint	gal	7.00	4,686.50
13.16	Paint Thinner	gal	1.00	221.00
	Sub-total			32,637.90
I.	DIRECT COST			439,742.94
II.	INDIRECT COST 21% of (I)			92,346.02
III.	TAX 12% of (I+II)			63,850.68
IV.	TOTAL CONSTRUCTION COST (I+II+III)			595,939.63
V.	ENGINEERING OVERHEAD 3.5% of (IV)			20,857.89
VI.	TOTAL PROJECT COST (IV+V)			PHP616,797.52
				PHP617,000.00

Prepared by:

Noted: