



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



PROJECT: **PROPOSED ONE CLASSROOM 7 X 7 (MODIFIED)**

SCHOOL:

LOCATION:

OWNER: DEPARTMENT OF EDUCATION

SUBJECT: APPROVED AGENCY ESTIMATE

ITEM NO.	DESCRIPTION	UNIT	QTY	GRAND TOTAL
<b>A</b>	<b>GENERAL REQUIREMENTS</b>			
	Mobilization/Temporary Structures, Utilities	lot	1.00	3,406.36
	<b>Sub-total</b>			<b>3,406.36</b>
<b>B</b>	<b>Earthworks</b>			
	Clearing and Grubbing	sq.m	59.50	1,190.00
	Structural Excavation	cu.m	13.73	2,745.60
	Backfilling and Compaction	cu.m	9.47	426.06
	Gravel Bedding G-1	cu.m	3.83	2,985.06
	Select Fill	cu.m	5.95	1,160.25
	Soil Poisoning	sq.m	65.45	1,276.28
	<b>Sub-total</b>			<b>9,783.25</b>
<b>C</b>	<b>Concreting Works</b>			
	Column Footing	cu.m	1.46	
	Portland Cement	bag	14.00	3,185.00
	Crushed Gravel 1"	cu.m	1.50	1,275.00
	Washed Sand	cu.m	0.75	562.50
	Wall Footing	cu.m	2.80	
	Portland Cement	bag	26.00	5,915.00
	Crushed Gravel 1"	cu.m	3.00	2,550.00
	Washed Sand	cu.m	1.50	1,125.00
	Column	cu.m	2.14	
	Portland Cement	bag	20.00	4,550.00
	Crushed Gravel 3/4"	cu.m	2.25	2,193.75
	Washed Sand	cu.m	1.25	937.50
	Beams	cu.m	2.21	
	Portland Cement	bag	20.00	4,550.00
	Crushed Gravel 3/4"	cu.m	2.25	2,193.75
	Washed Sand	cu.m	1.25	937.50
	Slab on Grade	cu.m	7.65	
	Portland Cement	bag	69.00	15,697.50
	Crushed Gravel 1"	cu.m	7.75	6,587.50
	Washed Sand	cu.m	4.00	3,000.00
	Ramp on Fill	cu.m	0.32	
	Portland Cement	bag	3.00	682.50
	Crushed Gravel 1"	cu.m	0.50	425.00
	Washed Sand	cu.m	0.25	187.50
	<b>Sub-total</b>			<b>56,555.00</b>
<b>D</b>	<b>Rebar Works</b>			
	Footing	kg	111.16	
	Wall Footing	kg	81.50	
	Column	kg	445.17	
	Beam	kg	377.00	
	Deformed Round Bars, Grade 40	kg	1,014.83	40,276.55
	G.I. Tie Wire	kg	21.00	1,207.50

LAND HANDLING			
Derived Unit	Hauling Distance	Amount	
<b>A GENERAL REQUIREMENTS</b>			
		0.00	
		<b>0.00</b>	0.00
<b>B Earthworks</b>			
		0.00	
		0.00	
		0.00	
		0.00	
<b>7.41</b>	25.00	709.03	
		0.00	
		0.00	
		<b>709.03</b>	709.03
<b>C Concreting Works</b>			
Column Footing			
<b>0.16</b>	25.00	56.58	
<b>7.41</b>	25.00	277.91	
<b>7.41</b>	25.00	138.95	
Wall Footing			
<b>0.16</b>	25.00	105.08	
<b>7.41</b>	25.00	555.81	
<b>7.41</b>	25.00	277.91	
Column			
<b>0.16</b>	25.00	80.83	
<b>7.41</b>	25.00	416.86	
<b>7.41</b>	25.00	231.59	
Beams			
<b>0.16</b>	25.00	80.83	
<b>7.41</b>	25.00	416.86	
<b>7.41</b>	25.00	231.59	
Slab on Grade			
<b>0.16</b>	25.00	278.87	
<b>7.41</b>	25.00	1,435.85	
<b>7.41</b>	25.00	741.09	
Ramp on Fill			
<b>0.16</b>	25.00	12.12	
<b>7.41</b>	25.00	92.64	
<b>7.41</b>	25.00	46.32	
		<b>5,477.70</b>	5,477.70
<b>D Rebar Works</b>			
<b>0.01</b>	25.00	170.77	
<b>0.01</b>	25.00	3.53	

SEA HANDLING			
Derived Unit	Hauling Distance	Amount	
<b>A GENERAL REQUIREMENTS</b>			
		0.00	
		<b>0.00</b>	0.00
<b>B Earthworks</b>			
		0.00	
		0.00	
		0.00	
		0.00	
<b>31.19</b>	35.00	4,177.81	
		0.00	
		0.00	
		<b>4,177.81</b>	4,177.81
<b>C Concreting Works</b>			
Column Footing			
<b>0.75</b>	35.00	366.33	
<b>31.19</b>	35.00	1,637.50	
<b>31.19</b>	35.00	818.75	
Wall Footing			
<b>0.75</b>	35.00	680.33	
<b>31.19</b>	35.00	3,275.00	
<b>31.19</b>	35.00	1,637.50	
Column			
<b>0.75</b>	35.00	523.33	
<b>31.19</b>	35.00	2,456.25	
<b>31.19</b>	35.00	1,364.58	
Beams			
<b>0.75</b>	35.00	523.33	
<b>31.19</b>	35.00	2,456.25	
<b>31.19</b>	35.00	1,364.58	
Slab on Grade			
<b>0.75</b>	35.00	1,805.50	
<b>31.19</b>	35.00	8,460.42	
<b>31.19</b>	35.00	4,366.67	
Ramp on Fill			
<b>0.75</b>	35.00	78.50	
<b>31.19</b>	35.00	545.83	
<b>31.19</b>	35.00	272.92	
		<b>32,633.58</b>	32,633.58
<b>D Rebar Works</b>			
<b>0.04</b>	35.00	1,446.87	
<b>0.04</b>	35.00	29.94	

MANUAL HANDLING			
Derived Unit	Hauling Distance	Amount	
<b>A GENERAL REQUIREMENTS</b>			
		0.00	
		<b>0.00</b>	0.00
<b>B Earthworks</b>			
		0.00	
		0.00	
		0.00	
		0.00	
<b>694.79</b>	2.00	5,317.94	
		0.00	
		0.00	
		<b>5,317.94</b>	5,317.94
<b>C Concreting Works</b>			
Column Footing			
<b>27.94</b>	2.00	782.25	
<b>694.79</b>	2.00	2,084.38	
<b>694.79</b>	2.00	1,042.19	
Wall Footing			
<b>27.94</b>	2.00	1,452.75	
<b>694.79</b>	2.00	4,168.75	
<b>694.79</b>	2.00	2,084.38	
Column			
<b>27.94</b>	2.00	1,117.50	
<b>694.79</b>	2.00	3,126.56	
<b>694.79</b>	2.00	1,736.98	
Beams			
<b>27.94</b>	2.00	1,117.50	
<b>694.79</b>	2.00	3,126.56	
<b>694.79</b>	2.00	1,736.98	
Slab on Grade			
<b>27.94</b>	2.00	3,855.38	
<b>694.79</b>	2.00	10,769.27	
<b>694.79</b>	2.00	5,558.33	
Ramp on Fill			
<b>27.94</b>	2.00	167.63	
<b>694.79</b>	2.00	694.79	
<b>694.79</b>	2.00	347.40	
		<b>44,969.56</b>	44,969.56
<b>D Rebar Works</b>			
<b>1.75</b>	2.00	3,543.96	
<b>1.75</b>	2.00	73.34	





ITEM NO.	DESCRIPTION	UNIT	QTY	GRAND TOTAL
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Derived Unit	Hauling Distance	Amount
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Derived Unit	Hauling Distance	Amount
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Derived Unit	Hauling Distance	Amount
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IVER R. HERNANDEZ

Area Supervisor, PFSED

Assessment Supervisor, Chief, PFSED

			HAULING COST	
			25 kms	30 or more
Portland Cement	bags	236.00	PHP 2,830.77	#####
Crushed Gravel	m³	21.08	PHP 12,041.97	#####
Washed Sand	m³	19.00	PHP 10,855.32	#####
4"CHB	pcs	1,060.00	PHP 4,296.13	#####
Plywood	pcs	33.00	PHP 315.62	#####
G26 Corr GI Sheet	pcs	40.08	PHP 1,377.86	#####
Form Lumber	bd.ft	372.90	PHP 5,130.30	#####
Rough Lumber	bd.ft	241.00	PHP 3,315.64	#####
Paints	gal	39.25		
Reinforcing Steel Bars	kg	1,148.83	PHP 614.65	#####
Steel Roof Framing	kg	707.64	PHP 378.61	#####
CWN	kg	13.00	PHP 6.96	#####
			PHP 41,163.82	#####

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Derived Unit	Hauling Distance	Amount
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Derived Unit	Hauling Distance	Amount
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Derived Unit	Hauling Distance	Amount
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ITEM NO.	DESCRIPTION	UNIT	QTY	GRAND TOTAL
<b>Concrete Bedding</b>				
F-1		6.00	0.80	0.96 19.20%
F-2		2.00	1.00	0.50 10.00%
				<b>1.46 29.20%</b>
WF-1		1.00	0.25	2.80 56.00%
				<b>2.80 56.00%</b>
C-1		6.00	0.16	1.60
C-2		2.00	0.16	0.53
				<b>2.14</b>
RG-1		4.00	0.15	0.84
RG-2		4.00	0.15	0.84
EB-1		4.00	0.15	0.53
				<b>2.21</b>
S-1		1.00	8.50	7.65
				<b>7.65</b>
<b>Rebars</b>				
F-1		1.58	6.00	79.58
F-2		1.58	2.00	31.58
				<b>111.16</b>
WF-1		0.62	1.00	26.06
WF-1		0.62	1.00	55.44
				<b>81.50</b>
C-1		1.58	6.00	167.69
C-1		0.62	6.00	136.94
C-2		1.58	2.00	83.84
C-2		0.62	2.00	45.65
C-2		0.62	2.00	11.05
				<b>445.17</b>
RG-1		1.58	4.00	88.42
RG-1		0.62	4.00	61.87
RG-2		1.58	4.00	88.42
RG-2		0.62	4.00	61.87
EB-1		0.62	4.00	34.50
EB-1		0.62	4.00	41.91
				<b>377.00</b>
<b>Forms</b>				
C-1		6.00	0.16	28.06
C-2		2.00	0.16	9.35
				<b>37.41</b>
RG-1		4.00	0.15	13.30
RG-2		4.00	0.15	13.30
EB-1		4.00	0.15	9.10
				<b>35.70</b>
<b>Masonry</b>				
SIDES		2.00	7.00	

ITEM NO.	DESCRIPTION	UNIT	QTY	GRAND TOTAL
	FRONT/REAR	2.00	7.00	
	PARA	2.00	6.00	
	MINUS	-2.00	2.10	
	MINUS	-2.00	2.60	
	MINUS	-2.00	1.30	
	MINUS	-4.00	0.60	

Derived Unit	Hauling Distance	Amount	
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Derived Unit	Hauling Distance	Amount	
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Derived Unit	Hauling Distance	Amount	
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