

Republic of the Philippines
Province of Negros Occidental
OFFICE OF THE CITY ENGINEER
City of Himamaylan

Project Name : WWSU Admin Office Extension
Locaton : WWSU Administrative Bldg.
Amount : P 568,260.00
Source of Fund :
Subject : Detailed Estimates
Scope of Work :

Item 1 Item 2 Item 3 Item 4 Item 5 Item 6 Item 7 Item 8
Item 9 Item 10 Item 11 Item 12 Item 13 Item 14 Item 15

ITEM 1 - Removal of Existing Structures

A = 20.76 sq.m.

A. Material

Qty	Description	Unit Cost	Total Cost
	Sub-Total		-
	Vat		-
	Contractor's Profit		-
	Total	P	-

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	1.50	P 1,000.00	P 1,500.00
1	Construction Foreman	1.50	700.00	1,050.00
3	Laborer	1.50	300.00	1,350.00
	Sub-Total			3,900.00
				273.00
	Contractor's Profit			390.00
	Total		P	4,563.00
	Total for Item 1		P	4,563.00
	Unit Cost per cu.m.		P	219.80

ITEM 2 -Excavation

V = 2.40 cu.m.

A. Material

Qty	Description	Unit Cost	Total Cost
		P	-
	Sub-Total		-
	Vat		-
	Contractor's Profit		-
	Total	P	-

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	0.50	P 1,000.00	P 500.00
1	Construction Foreman	0.50	700.00	350.00
3	Laborer	0.50	300.00	450.00
	Sub-Total			1,300.00
				91.00
	Contractor's Profit			130.00
	Total		P	1,521.00
	Total for Item 2		P	1,521.00
	Unit Cost per cu.m.		P	633.75

ITEM 3 - Filling Materials

Vc = 2.00 cu.m.

VI = 2.35 cu.m.

A. Material

Qty	Description	Unit Cost	Total Cost
3	cu.m. Filling Materials	P 750.00	P 2,250.00
	Sub-total		P 2,250.00
	Vat		P 157.50
	Contractor's Profit		P 225.00
	Total		P 2,632.50

B. Labor

No.	Description	No. of Days	Rate/Day	Total Cost
1	Civil Engineer	0.4	P 1,000.00	P 400.00
1	Construction Foreman	0.4	700.00	280.00
2	Laborer	0.4	400.00	320.00
Sub-total				P 1,000.00
Vat				P 70.00
Contractor's Profit				P 100.00
Total				P 1,170.00
Total for Item 3				P 3,802.50
Unit Cost per cu.m.				P 1,616.06

ITEM 4 - Concrete Works

Vt = 3.10 cu.m.

A. Material

Qty	Description	Unit Cost	Total Cost
33.00 bags	Portland Cement (40 kgs.)	P 280.00	P 9,240.00
4.00 cu.m.	Coarse Aggregate	1,300.00	5,200.00
2.00 cu.m.	Fine Aggregate	1,000.00	2,000.00
45.00 lgths	12mm DSB	300.00	13,500.00
35.00 lgths	10mm DSB	220.00	7,700.00
7.00 kls	Tie Wire	100.00	700.00
3.00 pcs	Cutting Disk	165.00	495.00
Sub-Total			38,340.00
Vat			2,683.80
Contractor's Profit			3,834.00
Total			P 44,857.80

B. Labor

No.	Description	No. of Days	Unit Cost	Total Cost
1	Civil Engineer	5.20	P 1,000.00	P 5,200.00
1	Construction Foreman	5.20	700.00	3,640.00
1	Skilled Worker	5.20	400.00	2,080.00
3	Laborer	5.20	300.00	4,680.00
Sub-Total				15,600.00
Vat				1,092.00
Contractor's Profit				1,560.00
Total				P 18,252.00
Total for Item 4				P 63,109.80
Unit Cost per cu.m.				P 20,358.00

ITEM 5 - Masonry Works (includes Plastering)

Area = 47.35 sq.m.

A. Material

Qty	Description	Unit Cost	Total Cost
55.00 bags	Portland Cement (40 kgs.)	P 280.00	P 15,400.00
600.00 pcs	CHB	18.00	P 10,800.00
4.00 cu.m.	Fine Aggregate	1,000.00	4,000.00
22.00 lgths	12mm DSB	220.00	4,840.00
2.00 kls	Tie Wire	90.00	180.00
Sub Total			35,040.00
Vat			2,452.80
Contractor's Profit			3,504.00
Total			P 40,996.80

B. Labor

No.	Description	No. of Days	Unit Cost	Total Cost
1	Civil Engineer	4.70	P 1,000.00	P 4,700.00
1	Construction Foreman	4.70	700.00	3,290.00
1	Skilled Worker	4.70	400.00	1,880.00
3	Laborer	4.70	300.00	4,230.00
Sub-Total				14,100.00
Vat				987.00
Contractor's Profit				1,410.00
Total				P 16,497.00
Total for Item 5				P 57,493.80
Unit Cost per sq.m.				P 1,214.23

ITEM 6 - Roof and Roof framing (including Fascia Board and Frame)

Area = 13.28 sq.m.

A. Material

Qty		Description	Unit Cost	Total Cost
19.00	l.m.	Prepainted Long Span Rib Type Roofing Sheet	P 450.00	P 8,550.00
5.00	lgths	2" x 3" C-Purlins	650.00	3,250.00
5.00	lgths	1"x1"x3/16" Angle Bar	430.00	2,150.00
5.00	lgths	Shop Bended Fascia Board	510.00	2,550.00
5.00	lgths	10 mm dia. DSB	220.00	1,100.00
300.00	pcs	Tekscrew	3.00	900.00
5.00	kg	Welding Rod	130.00	650.00
1.00	unit	Vulca Seal (250 mL)	210.00	210.00
2.00	pcs	Cutting Disk	165.00	330.00
1.00	lit	Enamel Paint	220.00	220.00
1.00	unit	Paint Thinner (350mL)	60.00	60.00
Sub-Total				19,970.00
Vat				1,397.90
Contractor's Profit				1,997.00
Total				P 23,364.90

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	2.70	P 1,000.00	P 2,700.00
1	Construction Foreman	2.70	700.00	1,890.00
1	Skilled Worker	2.70	400.00	1,080.00
3	Laborer	2.70	300.00	2,430.00
Sub-Total				8,100.00
Vat				567.00
Contractor's Profit				810.00
Total				P 9,477.00
Total for Item 6				P 32,841.90
Unit Cost per sq.m.				P 2,473.03

ITEM 7 - Ceiling Works

Area = 19.83 sq.m.

A. Material

Qty		Description	Unit Cost	Total Cost
7.00	shts	1/8" Fiber Board	P 700.00	P 4,900.00
11.00	lgths	Metal Furring	280.00	3,080.00
2.00	lgths	Suspension Rod	350.00	700.00
55.00	pcs	Furring Clip	20.00	1,100.00
250.00	pcs	Rivets	3.00	750.00
Sub-Total				10,530.00
Vat				737.10
Contractor's Profit				1,053.00
Total				P 12,320.10

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	1.50	P 1,000.00	P 1,500.00
1	Construction Foreman	1.50	700.00	1,050.00
1	Skilled Worker	1.50	400.00	600.00
3	Laborer	1.50	300.00	1,350.00
Sub-Total				4,500.00
Vat				315.00
Contractor's Profit				450.00
Total				P 5,265.00
Total for Item 7				P 17,585.10
Unit Cost per sq.m.				P 886.79

ITEM 8 - Painting Works

Area = 113 sq.m. Concrete wall and column

= 19.83 sq.m. Ceiling

A. I Area (total) = 132.83 sq.m.

Qty	Description	Unit Cost	Total Cost
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2.00	gals	Neutralizer	P	380.00	P	760.00
4.00	gals	Concrete Putty		550.00		2,200.00
6.00	gals	Primer Sealer		650.00		3,900.00
12.00	gals	Latex Paint (Semi Gloss)		800.00		9,600.00
3.00	pcs	Sand Paper		160.00		480.00
1.00	pcs	Putty Knives		50.00		50.00
1.00	gals	Masking Tape		800.00		800.00
1.00	pcs	Roller Brush w/ Tray		160.00		160.00
2.00	pcs	Paint Brush		50.00		100.00
Sub-Total						16,990.00
Vat						1,189.30
Contractor's Profit						1,699.00
Total					P	19,878.30

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	2.50	P 1,000.00	P 2,500.00
1	Construction Foreman	2.50	700.00	1,750.00
1	Skilled Worker	2.50	400.00	1,000.00
2	Laborer	2.50	300.00	1,500.00
Sub-Total				6,750.00
Vat				472.50
Contractor's Profit				675.00
Total				P 7,897.50

Total for Item 8		P	27,775.80
Unit Cost per sq.m.		P	209.11

ITEM 9 - Tiles Works

A1 =	20.25	sq.m.	(60 x 60 Tiles)
A2 =	6.83	sq.m.	(30 x 30 Tiles)
A3 =	20.00	sq.m.	(30 x 60 Tiles)
At =	47.08	sq.m.	

A. Material

Qty	Description	Unit Cost	Total Cost
60.00 pcs	60 x 60 tiles	P 150.00	P 9,000.00
80.00 pcs	30 x 30 tiles	P 80.00	P 6,400.00
117.00 pcs	30 x 60 tiles	P 95.00	P 11,115.00
8.00 bags	Tile Adhesive (25kg)	350.00	2,800.00
11.00 kis	Tile Grout	80.00	880.00
Sub-Total			30,195.00
Vat			2,113.65
Contractor's Profit			3,019.50
Total			P 35,328.15

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	4.50	P 1,000.00	P 4,500.00
1	Construction Foreman	4.50	700.00	3,150.00
1	Skilled Worker	4.50	400.00	1,800.00
2	Laborer	4.50	300.00	2,700.00
Sub-Total				12,150.00
Vat				189.00
Contractor's Profit				1,215.00
Total				13,554.00

Total for Item 9		P	48,882.15
Unit Cost per sq.m.		P	1,038.28

ITEM 10 - Doors and Windows

Q = 1 lot

A. Material with Labor Installation

Qty	Description	Unit Cost	Total Cost
2.00 unit	Sliding Glass Door using Sun Bronze Glass with Analok Frame (0.8m x 2.10)	P 8,034.00	P 16,068.00
2.00 unit	Panel-Type Door w/ Door Jamb & Accessories (0.8m x 2.10)	6,000.00	12,000.00
3.00 unit	Sliding Glass Door using Sunbronze Glass w/ Analok Frame (1.0mx2.10m)	10,043.00	30,129.00
2.00 unit	Panel-Type Door w/ Door Jamb & Accessories (0.7m x 2.10m)	4,900.00	9,800.00

2.00	unit	Sliding Win. Using Sunbronze Glass w/ Analok Frame (1.6x1.1m)	8,417.00	16,834.00
1.00	unit	Awning Win. Using Sunbronze Glass w/ Analok Frame (0.6x0.6m)	1,722.00	1,722.00
Sub-Total				86,553.00
Vat				6,058.71
Contractor's Profit				8,655.30
Total			P	101,267.01

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	2.90	P 1,000.00	P 2,900.00
1	Construction Foreman	2.90	700.00	2,030.00
1	Skilled Worker	2.90	400.00	1,160.00
3	Laborer	2.90	300.00	2,610.00
Sub-Total				8,700.00
Vat				182.70
Contractor's Profit				870.00
Total				9,752.70

Total for Item 10			P	111,019.71
Unit Cost per lot			P	111,019.71

ITEM 11 - Electrical Works

Qty = 1.00 lot

A. Material

Qty	Description	Unit Cost	Total Cost
1	PP Surface Mounted Power Panel For Bolt-on Type Moulded Case Circuit Breaker Main Circuit Breaker: 40Amps. 250V, 60Hz, MCB Branches: (4 Branches) 1 pc 15Amps. 250V, 60Hz, MCB 1 pc 30Amps. 250V, 60Hz, MCB	6,000.00	6,000.00
30	mtrs 14 mm sq. THW (#6) cu. Wire	110.00	3,300.00
25	mtrs Duplex Wire, #6	32.00	800.00
1	roll 2.0 mm sq. THW (#14) cu. Wire	4,380.00	4,380.00
1	roll 3.5 mm sq. THW (#12) cu. Wire	5,300.00	5,300.00
9	sets LED Downlight 6" Ø 12 Watts LED Downlight, Daylight	1,200.00	10,800.00
2	pcs 1-Gang Switch Flush Type w/ Plate	230.00	460.00
1	pcs 2-Gang Switch Flush Type w/ Plate	300.00	300.00
2	pcs 3-Gang Convenience Outlet, Flush Type w/ Plate	445.00	890.00
6	pcs Surface Box or (Switch Box)	90.00	540.00
4	pcs Utility Box, Flush Type	40.00	160.00
5	pcs Junction Box w/ Cover	45.00	225.00
1	pc Square Box 4x4 ,Flush Type	80.00	80.00
4	roll Electrical Tape(Big)	55.00	220.00
1	pc Service Cap, 3/4" Ø	70.00	70.00
10	lgths Plastic Moulding 1"	190.00	1,900.00
3	packs Bostic No more Nails	100.00	300.00
30	mtrs Flexible PVC 1/2 " Ø	15.00	450.00
1	lgth PVC Pipe, 3/4" Ø	120.00	120.00
Sub-Total			P 36,295.00
VAT			2,540.65
Contractors Profit			3,629.50
Total			P 42,465.15

B. Labor (Lum Sum)

Electrical Works			P	6,500.00
VAT				455.00
Contractors Profit				650.00
Total			P	7,605.00
Total for Item 11			P	50,070.15
Unit Cost per lot			P	50,070.15

ITEM 12 - Septic Vault

Qty = 1.00 lot

A. Material

Qty		Description	Unit Cost	Total Cost
435	pcs	4" CHB	P 18.00	7,830.00
16	bags	Portland Cement (40 kgs)	280.00	4,480.00
3	cu.m.	Coarse Aggregate	1,200.00	3,600.00
4	cu.m.	Fine Aggregate	900.00	3,600.00
42	lgths	10mm Ø x 6.0m DSB	180.00	7,560.00
6	lgths	Ga. 16 G.I. Tie Wire	80.00	480.00
			Sub-Total	P 27,550.00
			VAT	P 1,928.50
			Contractor's Profit	P 2,755.00
			Total	P 32,233.50

B. Labor

No.	Description	No. of Days	Unit Cost	Total Cost
1	Civil Engineer	2.2	P 1,000.00	P 2,200.00
1	Construction Foreman	2.2	700.00	1,540.00
1	Carpenter/Mason	2.2	400.00	880.00
10	Laborers	2.2	300.00	6,600.00
			Sub-Total	P 11,220.00
			VAT	P 785.40
			Contractor's Profit	P 1,122.00
			Total	P 13,127.40

			Total for Item 12	P 45,360.90
			Unit Cost per lot	P 45,360.90

ITEM 13 - Plumbing Works

Qty = 1.00 lot

A. Material

Qty		Description	Unit Cost	Total Cost
3	lengths	4" Ø PVC Pipe	610.00	P 1,830.00
3	pcs	4" Ø PVC Wye	80.00	240.00
4	pcs	4" Ø PVC 45° Elbow	80.00	320.00
3	pcs	2"x4" Ø PVC Wye	80.00	240.00
4	pcs	4" Ø PVC 90° Elbow	80.00	320.00
1	pcs	Swing Valve	80.00	80.00
3	pcs	2"x4" Ø PVC Tee	80.00	240.00
4	lengths	2" Ø PVC Pipe	305.00	1,220.00
2	pcs	4" Ø Clean Out	102.00	204.00
3	pcs	2" Ø PVC 45° Elbow	60.00	180.00
3	pcs	2" Ø PVC 90° Elbow	60.00	180.00
2	pcs	2" Ø PVC P-Trap	65.00	130.00
4	lengths	1/2" Ø PVC Pipe (Blue)	80.00	320.00
1	pcs	1/2" Ø Ball Valve	800.00	800.00
3	pcs	1/2" Ø PVC 90° Elbow	30.00	90.00
3	pcs	1/2" Ø Female Adaptor	60.00	180.00
4	pcs	1/2" Ø PVC Tee	30.00	120.00
1	pcs	1/2" Ø Coupling	20.00	20.00
2	pcs	Faucet	30.00	60.00
2	pcs	Teflon Tape	30.00	60.00
2	cans	Solvent Cement	70.00	140.00
2	set	Lavatory	2,921.00	5,842.00
2	set	Toilet Bowl w/ fittings and accessories	8,255.00	16,510.00
2	pcs	Floor Drain Strainer	300.00	600.00
			Sub-total	P 29,926.00
			Vat	P 2,094.82
			Contractor's Profit	P 2,992.60
			Total	P 35,013.42

B. Labor

No.	Description	No. of Days	Rate/Day	Total Cost
1	Civil Engineer	4	P 1,000.00	P 4,000.00
1	Construction Foreman	4	700.00	2,800.00
5	Laborer	4	300.00	6,000.00
			Sub-total	P 12,800.00
			Vat	P 896.00
			Contractor's Profit	P 1,280.00
			Total	P 14,976.00

		Total for Item 13	P	49,989.42
		Unit Cost per lot	P	49,989.42

ITEM 14 - Formworks

A. Material

Qty = 1.00 lot

Qty		Description	Unit Cost	Total Cost
8	sht.	4'x8'x1/4" Ordinary Plywood	P 430.00	P 3,440.00
420	bd.ft.	Rough Lumber (2"x3"x8')	45.00	18,900.00
9	kgs.	Assorted Sizes C.W. Nails	90.00	810.00
Sub-Total				22,340.00
Vat				1,563.80
Contractor's Profit				2,234.00
Total				P 26,137.80

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	2.50	P 1,000.00	P 2,500.00
1	Construction Foreman	2.50	700.00	1,750.00
3	Laborer	2.50	300.00	2,250.00
Sub-Total				6,500.00
Vat				455.00
Contractor's Profit				650.00
Total				P 7,605.00

		Total for Item 14	P	33,742.80
		Unit Cost per lot	P	33,742.80

ITEM 15 - Project Billboard

Qty = 1.00 lot

A. Material

Qty		Description	Unit Cost	Total Cost
1	unit	Shop Fabricated Project Billboard	4,500.00	4,500.00
Total				P 4,500.00

B. Labor

No.	Description	No.of Days	Unit Cost	Total Cost
1	Civil Engineer	0.50	P 1,000.00	P 500.00
1	Construction Foreman	0.50	700.00	350.00
5	Laborer	0.50	300.00	750.00
Total				P 1,600.00

		Total for Item 15	P	6,100.00
		Unit Cost per lot	P	6,100.00

S U M M A R Y				
ITEM	MATERIALS	LABOR	FUEL	TOTAL
1	-	4,563.00		4,563.00
2	-	1,521.00		1,521.00
3	2,632.50	1,170.00		3,802.50
4	44,857.80	18,252.00		63,109.80
5	40,996.80	16,497.00		57,493.80
6	23,364.90	9,477.00		32,841.90
7	12,320.10	5,265.00		17,585.10
8	19,878.30	7,897.50		27,775.80
9	35,328.15	13,554.00		48,882.15
10	101,267.01	9,752.70		111,019.71
11	42,465.15	7,605.00		50,070.15
12	32,233.50	13,127.40		45,360.90
13	35,013.42	14,976.00		49,989.42
14	26,137.80	7,605.00		33,742.80
15	4,500.00	1,600.00		6,100.00
TOTAL	420,995.43	132,862.60	-	553,858.03

B R E A K D O W N			
Breakdown of Expenditures		% of Total	Total Cost
Materials		74.09	P 420,995.43
Labor		23.38	132,862.60
Equipment		-	-
Contingency Fund		2.53	14,401.97
Total Estimated Cost		100.00	P 568,260.00

Prepared by:


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Civil Engineer

for: 
EDELIZ G. BANQUILAY
Architect III


REGIE I. CALVO
Asst. City Engineer

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Approved:


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Campus Administrator