

PROJECT : PROPOSED CENTENNIAL TWO-STOREY LANDMARK BUILDING
LOCATION : Visayas State University, Main Campus
OWNER : Visayas State University
SUBJECT : MATERIALS & COST ESTIMATES

ITEM	DESCRIPTION	QTY	UNIT	UNIT COST			TOTAL UNIT COST	TOTAL AMOUNT (DC)	OVERHEAD CONTINGENCIES/ MISC (OCM)	TAX	PROFIT	TOTAL BID AMOUNT
				MATERIALS	LABOR	TOOLS /EQUIP						
A.	GENERAL REQUIREMENTS											
I.	Mobilization/Demobilization	1	lot					74,906.39				74,906.39
II.	Temporary Facilities :	1	lot					56,179.79				56,179.79
	Contractor Site Office											
	Warehouse/Storage											
	Housekeeping											
	Power Consumption											
	Water Consumption											
III.	As Built Plans, Shop Drawings, Submittals	1	lot					30,000.00				30,000.00
IV.	Permits & Licenses	1	lot					25,000.00				25,000.00
V.	Quality Assurance/Quality Control/Testing	1	lot					37,453.20				37,453.20
VI.	Site and Safety Management (DO 13)	1	lot					149,812.78				149,812.78
	Sub-Total							373,352.16				373,352.16
B.	EARTHWORKS											
I.	Clearing & Grubbing	1	lot	20,000.00	6,000.00	1,000.00	27,000.00	27,000.00	1,350.00	2,430.00	4,050.00	34,830.00
II.	Laying-out & Staking	1	lot	10,000.00	3,000.00	500.00	13,500.00	13,500.00	675.00	1,215.00	2,025.00	17,415.00
III.	Excavation & Backfill	443	cu.m		150.00	7.50	157.50	69,786.28	3,489.31	6,280.77	10,467.94	90,024.30
IV.	Earthfill	325	cu.m	300.00	90.00	15.00	405.00	131,508.83	6,575.44	11,835.79	19,726.32	169,646.39
	Sub-Total							241,795.11	12,089.76	21,761.56	36,269.27	311,915.69
C.	FORMS AND SCAFFOLDING											
I.	Formworks and Scaffolding	1	lot	80,000.00	24,000.00	4,000.00	108,000.00	108,000.00	5,400.00	9,720.00	16,200.00	139,320.00
D.	CONCRETE WORKS											
I.	FOOTING	30.72	CU.M									
	Cement, Portland 40kg	280	bags	270.00	81.00	13.50	364.50	102,060.00	5,103.00	9,185.40	15,309.00	131,657.40
	Washed Sand	16	cu.m	1,100.00	330.00	55.00	1,485.00	23,166.00	1,158.30	2,084.94	3,474.90	29,884.14
	3/4" Crushed Gravel	31	cu.m	1,200.00	360.00	60.00	1,620.00	50,058.00	2,502.90	4,505.22	7,508.70	64,574.82
	Deformed bars 12mm dia. X 6meter	86	pcs	250.00	75.00	12.50	337.50	29,025.00	1,451.25	2,612.25	4,353.75	37,442.25
	Deformed bars 16mm dia. X 6meter	24	pcs	470.00	141.00	23.50	634.50	14,910.75	745.54	1,341.97	2,236.61	19,234.87
	Deformed bars 20mm dia. X 6meter	235	pcs	640.00	192.00	32.00	864.00	202,988.16	10,149.41	18,268.93	30,448.22	261,854.73
	Tie Wire #16	83	kilos	80.00	24.00	4.00	108.00	8,974.80	448.74	807.73	1,346.22	11,577.49
II.	FOOTING TIE BEAM	11.03	CU.M									
	Cement, Portland 40kg	100	bags	270.00	81.00	13.50	364.50	36,450.00	1,822.50	3,280.50	5,467.50	47,020.50
	Washed Sand	6	cu.m	1,100.00	330.00	55.00	1,485.00	8,316.00	415.80	748.44	1,247.40	10,727.64
	3/4" Crushed Gravel	11	cu.m	1,200.00	360.00	60.00	1,620.00	17,982.00	899.10	1,618.38	2,697.30	23,196.78
	Deformed bars 10mm dia. X 6meter	183	pcs	190.00	57.00	9.50	256.50	46,939.50	2,346.98	4,224.56	7,040.93	60,551.96
	Deformed bars 16mm dia. X 6meter	138	pcs	470.00	141.00	23.50	634.50	87,561.00	4,378.05	7,880.49	13,134.15	112,953.69
	Tie Wire #16	23	kilos	80.00	24.00	4.00	108.00	2,430.00	121.50	218.70	364.50	3,134.70
III.	COLUMN	20.90	CU.M									
	Cement, Portland 40kg	194	bags	270.00	81.00	13.50	364.50	70,713.00	3,535.65	6,364.17	10,606.95	91,219.77
	Washed Sand	11	cu.m	1,100.00	330.00	55.00	1,485.00	16,290.45	814.52	1,466.14	2,443.57	21,014.68
	3/4" Crushed Gravel	22	cu.m	1,200.00	360.00	60.00	1,620.00	35,040.60	1,752.03	3,153.65	5,256.09	45,202.37
	Deformed bars 10mm dia. X 6meter	362	pcs	190.00	57.00	9.50	256.50	92,853.00	4,642.65	8,356.77	13,927.95	119,780.37
	Deformed bars 12mm dia. X 6meter	12	pcs	250.00	75.00	12.50	337.50	4,050.00	202.50	364.50	607.50	5,224.50
	Deformed bars 16mm dia. X 6meter	68	pcs	470.00	141.00	23.50	634.50	43,146.00	2,157.30	3,883.14	6,471.90	55,558.34
	Deformed bars 20mm dia. X 6meter	176	pcs	640.00	192.00	32.00	864.00	152,064.00	7,603.20	13,685.76	22,809.60	196,162.56
	Tie Wire #16	53	kilos	80.00	24.00	4.00	108.00	5,670.00	283.50	510.30	850.50	7,314.30
IV.	CONCRETE BEAMS (RB, CB, B, RCG-1, RCB-2, RCB-3, PLINTH)	38.34	CU.M									
	Cement, Portland 40kg	362	bags	270.00	81.00	13.50	364.50	131,949.00	6,597.45	11,875.41	19,792.35	170,214.21
	Washed Sand	21	cu.m	1,100.00	330.00	55.00	1,485.00	31,630.50	1,581.53	2,846.75	4,744.58	40,803.35
	3/4" Crushed Gravel	40	cu.m	1,200.00	360.00	60.00	1,620.00	64,800.00	3,240.00	5,832.00	9,720.00	83,592.00
	Deformed bars 10mm dia. X 6meter	778	pcs	190.00	57.00	9.50	256.50	199,557.00	9,977.85	17,960.13	29,933.55	257,428.53

	Deformed bars 12mm dia. X 6meter	392	pcs	250.00	75.00	12.50	337.50	132,300.00	6,615.00	11,907.00	19,845.00	170,667.00
	Deformed bars 16mm dia. X 6meter	101	pcs	470.00	141.00	23.50	634.50	64,084.50	3,204.23	5,767.61	9,612.68	82,669.01
	Deformed bars 25mm dia. X 6meter	442	pcs	985.00	295.50	49.25	1,329.75	587,749.50	29,387.48	52,897.46	88,162.43	758,196.86
	Tie Wire #16	155	kilos	80.00	24.00	4.00	108.00	16,696.80	834.84	1,502.71	2,504.52	21,538.87
V.	STAIRS & RAMP (interior & exterior)	31.90	C.U.M									
	Cement, Portland 40kg	299	bags	270.00	81.00	13.50	364.50	108,985.50	5,449.28	9,808.70	16,347.83	140,591.30
	Washed Sand	17	cu.m	1,100.00	330.00	55.00	1,485.00	25,393.50	1,269.68	2,285.42	3,809.03	32,757.62
	3/4" Crushed Gravel	33	cu.m	1,200.00	360.00	60.00	1,620.00	53,298.00	2,664.90	4,796.82	7,994.70	68,754.42
	Deformed bars 10mm dia. X 6meter	328	pcs	190.00	57.00	9.50	256.50	84,132.00	4,206.60	7,571.88	12,619.80	108,530.28
	Deformed bars 12mm dia. X 6meter	55	pcs	250.00	75.00	12.50	337.50	18,562.50	928.13	1,670.63	2,784.38	23,945.63
	Deformed bars 16mm dia. X 6meter	118	pcs	470.00	141.00	23.50	634.50	74,871.00	3,743.55	6,738.39	11,230.65	96,583.59
	Tie Wire #16	35	kilos	80.00	24.00	4.00	108.00	3,780.00	189.00	340.20	567.00	4,876.20
VI.	Concrete Slab (Interior & Exterior)	102.37	C.U.M									
	Cement, Portland 40kg	922	bags	270.00	81.00	13.50	364.50	336,069.00	16,803.45	30,246.21	50,410.35	433,529.01
	Washed Sand	51	cu.m	1,100.00	330.00	55.00	1,485.00	76,180.50	3,809.03	6,856.25	11,427.08	98,272.85
	3/4" Crushed Gravel	103	cu.m	1,200.00	360.00	60.00	1,620.00	166,050.00	8,302.50	14,944.50	24,907.50	214,204.50
	Sahara WT Cement	38	packs	75.00	22.50	3.75	101.25	3,847.50	192.38	346.28	577.13	4,963.28
	Deformed bars 10mm dia. X 6meter	643	pcs	190.00	57.00	9.50	256.50	164,929.50	8,246.48	14,843.66	24,739.43	212,759.06
	Tie Wire #16	358	kilos	80.00	24.00	4.00	108.00	38,664.00	1,933.20	3,479.76	5,799.60	49,876.56
VII.	WALL FOOTINGS	19.69	C.U.M									
	Cement, Portland 40kg	179	bags	270.00	81.00	13.50	364.50	65,245.50	3,262.28	5,872.10	9,786.83	84,166.70
	Washed Sand	10	cu.m	1,100.00	330.00	55.00	1,485.00	14,850.00	742.50	1,336.50	2,227.50	19,156.50
	3/4" Crushed Gravel	20	cu.m	1,200.00	360.00	60.00	1,620.00	32,076.00	1,603.80	2,886.84	4,811.40	41,378.04
	Deformed bars 12mm dia. X 6meter	109	pcs	250.00	75.00	12.50	337.50	36,787.50	1,839.38	3,310.88	5,518.13	47,455.88
	Tie Wire #16	5	kilos	80.00	24.00	4.00	108.00	572.40	28.62	51.52	85.86	738.40
VIII.	CONCRETE GUTTER with BEAM	64.11	C.U.M									
	Cement, Portland 40kg	578	bags	270.00	81.00	13.50	364.50	210,681.00	10,534.05	18,961.29	31,602.15	271,778.49
	Sahara WT Cement	578	packs	75.00	22.50	3.75	101.25	58,522.50	2,926.13	5,267.03	8,778.38	75,494.03
	Washed Sand	32	cu.m	1,100.00	330.00	55.00	1,485.00	47,817.00	2,390.85	4,303.53	7,172.55	61,683.93
	3/4" Crushed Gravel	64	cu.m	1,200.00	360.00	60.00	1,620.00	104,004.00	5,200.20	9,360.36	15,600.60	134,165.16
	Deformed bars 10mm dia. X 6meter	1,535	pcs	190.00	57.00	9.50	256.50	393,694.16	19,684.71	35,432.47	59,054.12	507,865.46
	Deformed bars 16mm dia. X 6meter	530	pcs	470.00	141.00	23.50	634.50	336,285.00	16,814.25	30,265.65	50,442.75	433,807.65
	Tie Wire #16	150	kilos	80.00	24.00	4.00	108.00	16,220.29	811.01	1,459.83	2,433.04	20,924.18
IX.	Miscellaneous and Consumables	1	lot	10,000.00	3,000.00	500.00	13,500.00	13,500.00	675.00	1,215.00	2,025.00	17,415.00
	Sub-Total							4,764,473.91	238,223.70	428,802.65	714,671.09	6,146,171.34
E.	MASONRY WORKS											
I.	WALL (Interior/Exterior)											
	CHB 4" thick	1,876	pcs	15.00	4.50	0.75	20.25	37,989.00	1,899.45	3,419.01	5,698.35	49,005.81
	CHB 6" thick	2,542	pcs	17.00	5.10	0.85	22.95	58,338.90	2,916.95	5,250.50	8,750.84	75,257.18
	Cement, Portland 40kg	273	bags	270.00	81.00	13.50	364.50	99,508.50	4,975.43	8,955.77	14,926.28	128,365.97
	Screened Sand	23	cu.m	1,100.00	330.00	55.00	1,485.00	33,858.00	1,692.90	3,047.22	5,078.70	43,676.82
	Deformed bars 12mm dia. X 6meter	308	pcs	190.00	57.00	9.50	256.50	79,002.00	3,950.10	7,110.18	11,850.30	101,912.58
	Tie Wire #16	16	kilos	80.00	24.00	4.00	108.00	1,728.00	86.40	155.52	259.20	2,229.12
II.	Plastering											
	Cement, Pozzolan 40kg	98	bags	250.00	75.00	12.50	337.50	33,075.00	1,653.75	2,976.75	4,961.25	42,666.75
	Fine Sand	6	cu.m	1,100.00	330.00	55.00	1,485.00	8,167.50	408.38	735.08	1,225.13	10,536.08
	Sub-Total							351,666.90	17,583.35	31,650.02	52,750.04	453,650.30
F.	ARCHITECTURAL WORKS											
I.	CEILING WORKS											
	PVC Ceiling Panel, P-tech Matte 2.95mx25cmx8mm	39	pcs	360.00	108.00	18.00	486.00	18,711.00	935.55	1,683.99	2,806.65	24,137.19
	HadiFlex NexGen Fiber Cement Board 6mm thick	22	brd	859.00	257.70	42.95	1,159.65	24,932.48	1,246.62	2,243.92	3,739.87	32,162.89
	0.50mm x 19mm x 25mm x 5m Metal Furring	17	pcs	180.00	54.00	9.00	243.00	4,009.50	200.48	360.86	601.43	5,172.26
	0.40mm x 19mm x 50mm x 3 m Wall angle	39	pcs	75.00	22.50	3.75	101.25	3,928.50	196.43	353.57	589.28	5,067.77
	0.80mm x 12mm x 38mm x 5m Carrying Channel	17	pcs	160.00	48.00	8.00	216.00	3,564.00	178.20	320.76	534.60	4,597.56
	Wall Clip Ceiling double	225	pcs	6.00	1.80	0.30	8.10	1,822.50	91.13	164.03	273.38	2,351.03
	5/32 x 3/4" Blind rivets	2	boxes	265.00	79.50	13.25	357.75	715.50	35.78	64.40	107.33	923.00

	Consumables		1	lot	1,500.00	450.00	75.00	2,025.00	2,025.00	101.25	182.25	303.75	2,612.25
II.	Flaming Cast Statue												
	Brass flame sculpture on rigid support		1	unit	80,000.00	24,000.00	4,000.00	108,000.00	108,000.00	5,400.00	9,720.00	16,200.00	139,320.00
III.	SPANDREL WORKS												
	0.40mm x 19mm x 50mm x 3m wall angle		434	pcs.	75.00	22.50	3.75	101.25	43,942.50	2,197.13	3,954.83	6,591.38	56,685.83
	Pre-painted Perforated Metal Sheet 5/16 Hexagon x 0.7mm, 3x6ft		38	sht	1,610.00	483.00	80.50	2,173.50	82,593.00	4,129.65	7,433.37	12,388.95	106,544.97
	B.I. Tubular 25mm x 25mm x 1.5mm thick x 6 M		228	pcs.	573.00	171.90	28.65	773.55	176,369.40	8,818.47	15,873.25	26,455.41	227,516.53
	1½" x 1½" x 6mm x 6m Angle Bar		132	pcs.	1,559.00	467.70	77.95	2,104.65	277,813.80	13,890.69	25,003.24	41,672.07	358,379.80
	5/32 x ¾" Blind rivets		10	boxes	265.00	79.50	13.25	357.75	3,577.50	178.88	321.98	536.63	4,614.98
	Wedge anchor bolt 8mm x 75mm		1,685	pcs.	25.00	7.50	1.25	33.75	56,868.75	2,843.44	5,118.19	8,530.31	73,360.69
	Welding rod 3.2 mm		380	kgs	420.00	126.00	21.00	567.00	215,460.00	10,773.00	19,391.40	32,319.00	277,943.40
	Miscellaneous		1	lot	2,000.00	600.00	100.00	2,700.00	2,700.00	135.00	243.00	405.00	3,483.00
	Sub-Total								1,027,033.43	51,351.67	92,433.01	154,055.01	1,324,873.12
G.	PLUMBING/IRRIGATION WORKS												
I.	DRAINAGE												
	Supply and installation of PVC Pipes and fittings for drainage piping including supports and hangers and other miscellaneous items necessary to complete the system all in accordance with the drawings and specifications.												
	PVC Pipe, S-1000												
	100 mm diameter x 3m		18	pcs	1,219.00	365.70	60.95	1,645.65	29,621.70	1,481.09	2,665.95	4,443.26	38,211.99
	PVC Fittings, S-1000												
	Elbow 90 deg												
	100 mm diameter		4	pcs	177.00	53.10	8.85	238.95	955.80	47.79	86.02	143.37	1,232.98
II.	CATCH BASIN												
	Footing/Topping/Cover		1	cu.m									
	Cement, Pozzolan 40kg		8	bags	250.00	75.00	12.50	337.50	2,700.00	135.00	243.00	405.00	3,483.00
	Sand		1	cu.m	1,100.00	330.00	55.00	1,485.00	742.50	37.13	66.83	111.38	957.83
	Gravel		1	cu.m	1,200.00	360.00	60.00	1,620.00	1,296.00	64.80	116.64	194.40	1,671.84
	10 mm dia x 6 meters def. bars, gr. 40		7	pcs	190.00	57.00	9.50	256.50	1,667.25	83.36	150.05	250.09	2,150.75
	12 mm dia x 6 meters def. bars, gr. 40		7	pcs	250.00	75.00	12.50	337.50	2,193.75	109.69	197.44	329.06	2,829.94
	Tie Wires		2	kg	80.00	24.00	4.00	108.00	172.80	8.64	15.55	25.92	222.91
	CHB Laying		9	sq.m									
	CHB 4"		120	pcs	15.00	4.50	0.75	20.25	2,430.00	121.50	218.70	364.50	3,134.70
	Cement, Pozzolan 40kg		6	bags	250.00	75.00	12.50	337.50	2,025.00	101.25	182.25	303.75	2,612.25
	Sand		1	cu.m	1,100.00	330.00	55.00	1,485.00	891.00	44.55	80.19	133.65	1,149.39

	COB Adjustable Track light rail lighting Two(2) lamps 12 watts LED Matt Black warm white	2	set	1,300.00	390.00	58.50	1,748.50	3,497.00	174.85	314.73	524.55	4,511.13
	COB Adjustable Track light rail lighting Single lamp 12 watts LED Matt Black warm white	4	set	1,000.00	300.00	45.00	1,345.00	5,380.00	269.00	484.20	807.00	6,940.20
	Nordic modern outdoor wall lamp LED warm white 9 watts	12	set	1,800.00	540.00	81.00	2,421.00	29,052.00	1,452.60	2,614.68	4,357.80	37,477.08
	LED Underground light outdoor type waterproof and weatherproof 5 watts warm light with ground terminal	70	set	900.00	270.00	40.50	1,210.50	84,735.00	4,236.75	7,626.15	12,710.25	109,308.15
	Staircase wall lamp embedded aluminum outdoor waterproof 6 watts warm white with ground terminal	70	set	1,400.00	420.00	63.00	1,883.00	131,810.00	6,590.50	11,862.90	19,771.50	170,034.90
	Pin light recessed type tri-color dimmable 9 watts round type	8	set	600.00	180.00	27.00	807.00	6,456.00	322.80	581.04	968.40	8,328.24
	Pin light surface type square type 11 watts warm	5	set	800.00	240.00	36.00	1,076.00	5,380.00	269.00	484.20	807.00	6,940.20
	Smart strip lights motion-sensor warm white for staircase with adaptor 220 volts input	100	meters	700.00	210.00	31.50	941.50	94,150.00	4,707.50	8,473.50	14,122.50	121,453.50
	LED strip lights warm light outdoor waterproof and weatherproof	180	meters	260.00	78.00	11.70	349.70	62,946.00	3,147.30	5,665.14	9,441.90	81,200.34
	Adaptor for strip lights 220 volts input	9	pcs	250.00	75.00	11.25	336.25	3,026.25	151.31	272.36	453.94	3,903.86
	3 Gang switch luminous elegant	6	set	450.00	135.00	20.25	605.25	3,631.50	181.58	326.84	544.73	4,684.64
	2 Gang switch luminous elegant	2	set	350.00	105.00	15.75	470.75	941.50	47.08	84.74	141.23	1,214.54
	Single Switch luminous elegant	2	set	300.00	90.00	13.50	403.50	807.00	40.35	72.63	121.05	1,041.03
	Weatherproof convenience outlet 2 gang with ground prong IP66	14	set	900.00	270.00	40.50	1,210.50	16,947.00	847.35	1,525.23	2,542.05	21,861.63
	Spotlight outdoor type multi color adjustable 5 watts	4	set	600.00	180.00	27.00	807.00	3,228.00	161.40	290.52	484.20	4,164.12
	Spotlight outdoor type multi color adjustable 3 watts	1	set	400.00	120.00	18.00	538.00	538.00	26.90	48.42	80.70	694.02
	Electrical Rough-ins			-	-	-	-	-	-	-	-	-
	25 mm. dia. Conduit (PVC)	600	L	130.00	39.00	5.85	174.85	104,910.00	5,245.50	9,441.90	15,736.50	135,333.90
	32 mm. dia. Conduit (PVC)	20	pcs	250.00	75.00	11.25	336.25	6,725.00	336.25	605.25	1,008.75	8,675.25
	Octagonal junction box	20	pcs	45.00	13.50	2.03	60.53	1,210.50	60.53	108.95	181.58	1,561.55
	Solderless connector #22 AWG	3	pcs	800.00	240.00	36.00	1,076.00	3,228.00	161.40	290.52	484.20	4,164.12
	Grounding rod copper coated 6 ft	1	L	1,200.00	360.00	54.00	1,614.00	1,614.00	80.70	145.26	242.10	2,082.06
	Lighting rod arrester full set outdoor ground wire rod copper	1	set	50,000.00	15,000.00	2,250.00	67,250.00	67,250.00	3,362.50	6,052.50	10,087.50	86,752.50
	Utility box	30	pcs	35.00	10.50	1.58	47.08	1,412.25	70.61	127.10	211.84	1,821.80
	Panel board dead front 3 phase pure copper busbar 80 amperes MCCB 3 phase center main with grounding terminal	1	set	80,000.00	24,000.00	3,600.00	107,600.00	107,600.00	5,380.00	9,684.00	16,140.00	138,804.00
	Branches :											
	17- 20AT/20AF, 2P,8KAIC,RCBO											
	3- 30AT/30AF, 2P,8KAIC,RCBO											
	1- 20AT/20AF, 3P,8KAIC,RCBO											
Sub-Total								943,584.75	47,179.24	84,922.63	141,537.71	1,217,224.33
GRAND TOTAL								7,490,639.14				10,036,276.65

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