



ISO 9001:2015 CERTIFIED

Republic of the Philippines  
**BENGUET STATE UNIVERSITY**

La Trinidad, Benguet, Philippines 2601  
Telephone No. (074) 422-2402  
Web Address: [www.bsu.edu.ph](http://www.bsu.edu.ph)

Project	CONSTRUCTION OF BIODIVERSITY RESEARCH CENTER BOKOD CAMPUS PHASE II					
Owner	Benguet State University					
Location	Bokod Campus, Daclan, Bokod, Benguet					
DETAILED ESTIMATES						
I. GENERAL REQUIREMENTS and SITE WORKS						
a. Mobilization/Demobilization		1 LOT				
1 material & description		quantity		unit cost		amount
2 labor		no.	daily rate		amount	
3 equipment (rental based on ACEL rates)		unit	daily rental		no of days	amount
output rate			days to complete			
4 Total Direct Cost (1 + 2 + 3)		(1% of the Total Estimated Direct Cost of the project)				
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		0%				
6 Contractor's Profit		0%				
7 Tax		7% of item 4 + 5 + 6		-		
8 Total Cost (4 + 5 + 6 + 7)		Php		-		cost per item
b. Project Billboard		1 ea				
1 material & description		quantity		unit cost		amount
Printed Tarpulin (8ft x 8ft)		5.76	sq.m.	/sq.m.		-
Ordinary Plywood		2	pcs	/pc		-
Good lumber		39.5	bd.ft.	/bd.ft		-
Assorted CWN		1	kg	/kg		-
2 labor		no.	manhourly rate		amount	-
production rate			hours to complete			
Skilled laborer		1	man/hr.			
Unskilled laborer		1	man/hr.			
3 equipment (rental based on ACEL rates)		unit	daily rental		no of days	amount
output rate			days to complete			
4 Total Direct Cost (1 + 2 + 3)				-		
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				15% of item 4	-	
6 Contractor's Profit				10% of item 4	-	
7 Tax				7% of item 4 + 5 + 6	-	
8 Total Cost (4 + 5 + 6 + 7)				Php	-	cost per item
c. Occupational Safety and Health Program		1 LOT				
1 material & description		quantity		unit cost		amount
	assorted warning and safety signages	1	lot	/lot		-

	canvass (for jobsite perimeter enclosure/fencing)	1	roll		/roll	-	
	vest	8	pcs.		/pc.	-	
	safety shoe/ boots	8	pcs.		/pc.	-	
	safety gloves	8	pcs.		/pc.	-	
	skull guard/ hard hat	8	pcs.		/pc.	-	
	safety harnes	8	pcs.		/pc.	-	
	first aid kit	1	lot		/lot	-	
	fire extinguisher, 5lbs. (refill)	1	unit		/unit	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate				days to complete	
	Part time Safety Officer	1		/day		0	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	
		output rate				days to complete	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)			0% of item 4	-		
6	Contractor's Profit			10% of item 4	-		
7	Tax			7% of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php		-		cost per item
II. EARTHWORKS							
a.	Gravelling of Pavement near Basketball Court , Front and Left side elevation of Building	32.81	m³				
1	material & description	quantity		unit cost		amount	-
	G 1/2 " Gravelling (with an area of 437.41 sqm. and 75mm thickness )	32.81	m³		/m³	-	
2	labor - cut, bend & place up to 5 storeys	no.	daily rate		no of days	amount	-
		production rate	cu.m./man hour			days to complete	
	Construction foreman	1	/day			-	
	Skilled laborer	2	/day			-	
	Unskilled laborer	5	/day			-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate	cu.m./unit hour			days to complete	
	Vibratory Roller ( 5m.t ) SPF56		/day			-	
	minor tools (10% of Labor Cost)					-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)			15% of item 4	-		
6	Contractor's Profit			10% of item 4	-		
7	Tax			7% of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php		-		cost per item
III. PLAIN and REINFORCED CONCRETE WORKS							

a.	Reinforced Concrete (Additional Exterior Stairs), 3000 psi @ 28days	1.26	m³				
1	material & description	quantity		unit cost		amount	-
	10mm dia. x 6 m deformed steel bar, grade 33	39.00	kgs.		/kgs.	-	
	gravel	1.00	m³		/m3	-	
	sand	1.00	m³		/m3	-	
	cement	11.00	bags		/bag	-	
	#16 Galvanized Iron Wire	5.00	kgs.		/kgs.	-	
2	labor - cut, bend & place up to 5 storeys	no.	daily rate		no of days	amount	-
		production rate		cu.m./manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		cu.m./unithour		days to complete	
	One bagger mixer (4-6 cu.ft./min)			/day		-	
	Bar cutter			/day		-	
	Bar bender			/day		-	
	minor tools (10% of Labor Cost)					-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php		-		cost per item
b.	Formworks & False Works	1.26 m³					
1	material & description	quantity		unit cost		amount	-
	19mm x 1.2m x 2.4m Phenolic Board (3 uses)	3	pcs.		/pc.	-	
	Good Lumber (3 uses)	20	bd.ft.		/bd.ft	-	
	consumables (5% of Material Cost)	1	lot			-	
2	labor - fabricate, install & strip up to 5 storeys	no.	daily rate		no of days	amount	-
		production rate		m²/manhour		days to complete	
	install						
	Construction foreman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	1		/day		-	
	stripping						
	Construction foreman	1		/day		-	
	Unskilled labor	1		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
	minor tools (10% of Labor Cost)					-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php		-		cost per item
IV.	MASONRY WORKS	119.37 m²					
a.	CHB Laying						
	Second Floor Comfort Rooms (interior)	56.79	m²				
	Staff lounge/ kitchenette/comfort rooms	54.15	m²				

	Stairs wall	6.27	m <sup>2</sup>				
	Catch Basin	2.16	m <sup>2</sup>	9 units			
1	material & description	quantity		unit cost		amount	-
	100mm thk. CHB	1,492	pcs.		/pc.	-	
	cement	63	bags		/bag	-	
	sand	5.00	m <sup>3</sup>		/m <sup>3</sup>	-	
	10mm diameter x 6m reinforcing steel	387.00	kgs.		/kgs.	-	
	#16 G.I. tie wire	6.00	kgs.		/kgs.	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		m <sup>2</sup> /manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	2		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		kgs/unithour		days to complete	
	one bagger mixer	1		/day		-	
	minor tools (10% of Labor Cost)	0.1				-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-			cost per item
b. Plastering 136.65 m <sup>2</sup>							
	Second Floor Comfort Rooms (interior)	56.79	m <sup>2</sup>				
	Staff lounge/ kitchenette/comfort rooms	54.15	m <sup>2</sup>				
	Stairs wall (near lift)	6.27	m <sup>2</sup>				
	Catch Basin	19.44	m <sup>2</sup>	9 units @ 2.16 ea.			
1	material & description	quantity		unit cost		amount	-
	cement	45.00	bags		/bag	-	
	sand	4.00	m <sup>3</sup>		/m <sup>3</sup>	-	
2	labor	no.	daily rate		no of days	amount	-
	plastering	production rate		m <sup>2</sup> /manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m <sup>2</sup> /unithour		days to complete	
	scaffoldings/ H-frames	20		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5			15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-			cost per item
V. ELECTRICAL WORKS							
a. Conduits and Boxes (Second Floor) 368.3 lm.							
1	material & description	quantity		unit cost		amount	-

	25mm x 3/4 " flexible electrical conduit hose (per 100meters)	6	roll		/roll	-	
	20mm x 3000m PVC conduit pipe	29	pcs.		/pc.	-	
	junction box	34	pcs.		/pc.	-	
	deep utility box	20	pcs.		/pc.	-	
	conduit fittings	1	lot		/lot	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		lm/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		lm/manhour		days to complete	
	scaffoldings/ H-frames, set	20		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-			cost per item
b. Wires and Wiring Devices (Second Floor) 285 lm.							
1	material & description	quantity		unit cost		amount	-
	3.5 mm² dia. THHN wire	185	l.m.		/ln.m.	-	
	2.0 mm² dia. THHN wire	80	l.m.		/ln.m.	-	
	5.5 mm² dia. THHN wire	20	l.m.		/ln.m.	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		lm/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	3		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		unit/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-			cost per item
c. Electrical Fixtures(Second Floor) 52 units							
1	material & description	quantity		unit cost		amount	-
	One-gang switch,flush type, 10A, 230V	12	set		/set	-	
	Two-gang switch, flush type, 10A, 230V	4	set		/set	-	
	Duplex universal convenience outlet, flush type, 10A, 230V	20	set		/set	-	
	2-T-8 LED lights with housing and diffuser	24	set		/set	-	
	5-watt round LED Pin light (recessed)	8	set		/set	-	
	consumables (5% of material cost)	1	lot		lot	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		unit/manhour		days to complete	
	Construction foreman	1		/day		-	

	Skilled laborer	1		/day		-	
	Unskilled laborer	2		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		unit/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php	-			cost per item
d.	Panel Board/ Boxes/ Breakers (Second Floor)	1	units				
1	material & description	quantity		unit cost		amount	-
	Circuit Breaker, plug-in, 60A/230V (main)	1	set		/set	-	
	consumables (5% of material cost)		lot		lot	-	
2	labor	no.	daily rate		no of days	amount	-
	5.50hrs/ panel board	production rate		unit/manhour		days to complete	
	Construction foreman	1		/day		0.00	
	Skilled laborer	1		/day		0.00	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		unit/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php	-			cost per item
VI. PLUMBING WORKS							
a.	Pipe Lines(Second Floor)	151	lm.				
1	material & description	quantity		unit cost		amount	-
	CB (4")-100mm dia. X 3000mm PVC pipe, s-1000	25	pcs.		/pc.	-	
	(1/2")-20mm dia. X 3000mm PPR pipe, PN20	10	pcs.		/pc.	-	
	assorted fittings	1	lot		/lot	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2	labor (cut, fabricate, instalaltion)	no.	daily rate		no of days	amount	-
		production rate		lm/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	2		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		lm/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php	-			cost per item
b.	Plumbing Fixtures ( Second Floor Only)	31	units				

1 material & description		quantity		unit cost		amount	-
	450 mm x 450 mm lavatory sink (porcelain square) , undercounter with basin top stainless faucet	2	sets		/set	-	
	450 mm lavatory sink (porcelain oval) , undercounter with basin top stainless faucet	5	sets		/set	-	
	double undermounted stainless kitchen sink (800 mm x 450 mm) best quality	1	sets		/set	-	
	water closet, lever type with seat cover best quality with assorted fittings and accessories	6	sets		/set	-	
	urinal (best quality) with assorted fittings and accessories	3	sets		/set	-	
	stainless floor drain with insect proof and odor trap	12	sets		/set	-	
	16 drums stainless steel water tank with stand	2	sets		/set	-	
	booster pump 1 HP	2	units		/unit	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2 labor		no.	daily rate		no of days	amount	-
		production rate		unit/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	1		/day		-	
3 equipment (rental based on ACEL rates)		unit	daily rental		no of days	amount	-
		output rate		unit/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php	-			cost per item
VII. ARCHITECTURAL FINISHINGS							
a.	Ceiling Works ( Second Floor Interior)	362.96 m²					
1 material & description		quantity		unit cost		amount	-
	4.5 mm thick Fiber Cement Board	132	pcs.		/pc.	-	
	25mm x 3000mm x .5 mm thick Wall Angle	94	pcs.		/pc.	-	
	12mm x 38mm x 5000mm x .5mm thick Carrying Channel	142	pcs.		/pc.	-	
	19mm x 50mm x 5000mm x .5mm thick Double Metal Furring	435	pcs.		/pc.	-	
	pre formed wire clip	2290	pcs.		/pc.	-	
	Rod suspension hanger with adjustment spring	382	pcs.		/pc.	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2 labor		no.	daily rate		no of days	amount	-
		production rate		sheet/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3 equipment (rental based on ACEL rates)		unit	daily rental		no of days	amount	-
		output rate		m²/manhour		days to complete	
	scaffoldings/ H-frames	40		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		

5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-	cost per item		
b.	Dry wall partition	50.22	m²				
		27.00	m²				
	***male and female quarters	23.22	m²				
1	material & description	quantity		unit cost		amount	-
	4.5 mm thick Fiber Cement Board	18	pcs.	/pc.		-	
	.4mm thick x 50mm x 75mm x 3m metal track	36	pcs.	/pc.		-	
	.4mm thick x 50mm x 75mm x 3m metal stud	37	pcs.	/pc.		-	
	consumables (5% of material cost)	1	lot	/lot		-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		m ²/manhour		days to complete	
	Construction Foreman	1	/day			-	
	Skilled laborer	2	/day			-	
	Unskilled Laborer	4	/day			-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ²/manhour		days to complete	
	minor tools (10% of Labor Cost)		/day			-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-	cost per item		
c.	Tileworks (Unglazed Floor Tiles )	385.34	m²				
1	material & description	quantity		unit cost		amount	-
	***Exhibit hall (Museum)	66					
	***Conference (Meeting Room)	55					
	***Pantry	19					
	***Employees Lounge	18					
	***Male & Female Quarters	28					
	***Second Floor Lobby	36.5					
	***Male & Female Comfort Rooms	30.5					
	***Male & Female Quarters Cr	5.6					
	***Stairs	6.3					
	***balcony	24.6					
	***ground floor exterior stairs and balcony	95.84					
	0.6mx 0.60m non-skid unglazed tiles (darker shade)	671	pcs.	/pc		-	
	0.4mx 0.40m non-skid unglazed tiles ( lighter shade-comfort rooms)	238	pcs.	/pc		-	
	0.4mx 0.40m non-skid unglazed tiles (balcony); (ground floor exterior stairs and balcony)	583	pcs.	/pc		-	
	1 1/2 " x 1 " x 2000mm aluminum bull-nosed anti-slip stair tread ( interior stairs and exterior stairs)	35	pcs.	/pc		-	
	cement	126.00	bags(40kg)	/bag		-	
	sand	11.00	m³	/m³		-	
	tile adhesive	56.00	bags(20kg)	/bag		-	
	tile grout	49.00	bags(5kg)	/bag		-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		m ²/manhour		days to complete	



	Construction foreman	1		/day		-	
	skilled laborer	2		/day		-	
	unskilled laborer	4		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		kgs/unithour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-			cost per item
d.	Tileworks (glazed wall tiles) 119.75 m²						
	***Male & Female Comfort Rooms (walls)	84.105					
	***Male & Female Quarters Cr (walls)	35.64					
1	material & description	quantity		unit cost		amount	-
	0.30mx 0.60m glazed wall tiles	667.00	pcs.	/pc.	-		
	cement	39.00	bag	/bag	-		
	sand	4.00	m³	/m³	-		
	tile adhesive	18.00	bags	/bag	-		
	tile grout	15.00	bags	/bag	-		
	Consumables 3% of Material Cost				-		
2	labor	no.	daily rate		no of days	amount	-
		production rate		m²/manhour		days to complete	
	Constructyion foreman	1		/day	-		
	skilled laborer	2		/day	-		
	unskilled laborer	3		/day	-		
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate	1.365	kgs/unithour		days to complete	
	minor tools (10% of Labor Cost)			/day	-		
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php	-			cost per item
e.	Granite works 5.25 m²						
	***Male & Female Comfort Rooms counter top	2.5					
	***Male & Female Quarters Comfort Rooms counter top plus back splash	0.5					
	***Kitchenette Counter top plus back splash	2.25					
1	material & description	quantity		unit cost		amount	-
	Granite slab (black galaxy or equivalent)	5.25	m²	/m²	-		
	cement	0.30	bags	/bag	-		
	washed sand	0.10	m³	/m³	-		
	tile grout	1.00	bags	/bag	-		
	Consumables 3% of Material Cost	1.00	lot		-		
2	labor	no.	daily rate		no of days	amount	-
		production rate		m²/manhour		days to complete	
	Construction foreman	1		/day	-		

	skilled laborer	1		/day		-	
	unskilled laborer	2		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		kgs/unithour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)					-	
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4		-	
6	Contractor's Profit		10%	of item 4		-	
7	Tax		7%	of item 4 + 5 + 6		-	
8	Total Cost (4 + 5 + 6 +7)		Php		-		cost per item
f. Aluminum Windows & Partitions 20.8 m²							
1	material & description	quantity		unit cost		amount	-
	W130-1300mm x 2700mm Analoc aluminum window, awning-fixed type (3.51sqm ea)	4	sets		/set	-	
	W40a-400mm x 2700mm, Analoc aluminum window, fixed type ( 1.08sq. m. ea)	2	set		/set	-	
	W60- 600mm x 1000mm , Analoc aluminum window, awning type (0.6 sq. m. ea)	3	set		/set	-	
	W133- 1330mm x 2100mm, Analoc aluminum window, fixed type (2.80 sq. m. ea)	1	set		/set	-	
	consumables (5% of material cost)		lot		lot	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		m ²/manhour		days to complete	
	Construction foreman	1		/day		-	
	skilled laborer	1		/day		-	
	unskilled laborer	2		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ²/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)					-	
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4		-	
6	Contractor's Profit		10%	of item 4		-	
7	Tax		7%	of item 4 + 5 + 6		-	
8	Total Cost (4 + 5 + 6 +7)		Php		-		cost per item
g. Doors 9 sets							
1	material & description	quantity		unit cost		amount	-
	DCm200- 2000mm x 2100mm, Analoc Aluminum swing door with 6mm thick clear glass plate panel ( 4.3 sqm. Ea)	1	sets		/set	-	
	DMu200- 2000mm x 2100mm, Analoc Aluminum swing door with 6mm thick clear glass plate panel ( 4.3 sqm. Ea)	2	sets		/set	-	
	DCr100- 1000mm x 2100mm, Laminated Flush type swing door with 6mm thick clear glass plate view window and vent, lever type handle and wood Door Jamb( 2.1 sqm. Ea)	2	sets		/set	-	
	DQ80- 800mm x 2100mm, Laminated Flush type door,with lever type handle and wood Door Jamb( 1.68 sqm. Ea)	2	sets		/set	-	
	DCr70- 700mm x 2100mm, Laminated Flush type door,with lever type handle and wood Door Jamb( 1.47 sqm. Ea)	2	sets		/set	-	
	consumables (5% of material cost)	1	lot		lot	-	

2 labor		no.	daily rate		no of days	amount	-
		<b>production rate</b>		<b>m<sup>2</sup>/manhour</b>	<b>days to complete</b>		
Construction foreman		1		/day		-	
skilled laborer		1		/day		-	
unskilled laborer		2		/day		-	
3 equipment (rental based on ACEL rates)		unit	daily rental		no of days	amount	-
		<b>output rate</b>		<b>m<sup>2</sup>/manhour</b>	<b>days to complete</b>		
minor tools (10% of Labor Cost)				/day		-	
4 Total Direct Cost (1 + 2 + 3)						-	
OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				15% of item 4		-	
6 Contractor's Profit				10% of item 4		-	
7 Tax				7% of item 4 + 5 + 6		-	
8 Total Cost (4 + 5 + 6 +7)				Php		-	cost per item
h. Painting (Second Floor Interior & Exterior walls )		1,365.81 m <sup>2</sup>					
1	material & description	quantity		unit cost		amount	-
	***Second floor exterior walls and railings on First Floor	340.85	sqm				
	***Second floor interior walls	959.96	sqm				
	***Handrails and Railings	65	sqm				
	Concrete primer/sealer	48	gal.		/gal.	-	
	Red Oxide Primer (for railings)	27	gal.		/gal.	-	
	skim coat	55	bag		/bag	-	
	Semi-glosslatex (two coats only)	125	gal.		/gal.	-	
	Glazing Putty (Ceiling and Dry wall)	40	gal.		/gal.	-	
	Cementitious Water proofing (Comfort Rooms)	35	gal.		/gal.	-	
	consumables (5% of material cost)	1	lot			-	
2 labor		no.	daily rate		no of days	amount	-
		<b>production rate</b>		<b>m<sup>2</sup>/manhour</b>	<b>days to complete</b>		
Construction foreman		1		/day		-	
skilled laborer		2		/day		-	
unskilled laborer		4		/day		-	
3 equipment (rental based on ACEL rates)		unit	daily rental		no of days	amount	-
		<b>output rate</b>		<b>m<sup>2</sup>/manhour</b>		<b>days to complete</b>	
	scaffoldings/ H-frames	40		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4 Total Direct Cost (1 + 2 + 3)						-	
OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				15% of item 4		-	
6 Contractor's Profit				10% of item 4		-	
7 Tax				7% of item 4 + 5 + 6		-	
8 Total Cost (4 + 5 + 6 +7)				Php		-	cost per item
i.	Handrails and Railings (Ground Balcony and Concrete Exterior stairs)	261.43	lm.				
1	material & description	quantity		unit cost		amount	-
	1.2mm thick x 75mm x 50mm x 6000mm steel tubular	25	pcs.		/pc.	-	
	1.2mm thick x 25mm x 25mm x 6000mm steel tubular	38	pcs.		/pc.	-	
	Welding rod	39	kgs		/kg	-	
	consumables (5% of material cost)	1	lot		/lot	-	
2 labor		no.	daily rate		no of days	amount	-

		production rate		lm/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	2		/day		-	
	Unskilled laborer	4		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		lm/manhour		days to complete	
	welding machine			/day		-	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php	-			cost per item
VIII. SPECIALTIES							
a.	Modular Partition (Second Floor Comfort Rooms)	31	m²				
1	material & description	quantity		unit cost		amount	-
	toilet modular partition with stainless accessories (cubicle)	31	sqm.		/sqm.	-	
	consumables (3% of material cost)					-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		m ²/manhour		days to complete	
	Construction foreman	1		/day		-	
	Skilled laborer	1		/day		-	
	Unskilled laborer	2		/day		-	
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ²/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 + 7)		Php	-			
b.	Ductless Benchtop Laboratory Fumehood	3.00	unit				
1	material & description	quantity		unit cost		amount	-
	Duct less Fumehood with Carbon Filter: Unit Dimension: 1143mm W x 700mm D x 1041mm H; Hood Design: Benchtop; Frame Material: Stainless Steel; Model: Exhaust Fume; Type: Ductless; Electrical Specifications: 240v, 4 A, 960 W, 60Hz. Or equivalent	3.00	units		/unit	-	
2	labor	no.	daily rate		no of days	amount	-
		production rate		lm/manhour		days to complete	
	Construction foreman	1		/day			
	skilled laborer	2		/day			
	unskilled laborer	3		/day			
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ²/manhour		days to complete	
	minor tools (10% of Labor Cost)			/day		-	
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		

6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6			
8	Total Cost (4 + 5 + 6 +7)		Php		-	cost per item	
c.	Hydraulic PWD Lift	1.00 units					
1	material & description		unit cost		amount	-	
1430mm x 1000mm Aluminum Alloy PWD lift (Load capacity-250kg, Travel- 3 meters (2-stop). max, 220v, 50hz) Inclusive of Labor and Installation		1.00	units	/unit	-		
2	labor	no.	daily rate		no of days	amount	-
production rate		m <sup>2</sup> /manhour		days to complete			
3	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
output rate		m <sup>2</sup> /manhour		days to complete			
minor tools (10% of Labor Cost)		/day		-			
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Unit Cost (4 + 5 + 6 +7)		Php		-	cost per item	
IX.	FIRE SAFETY (Second Floor)		24.00 units				
1	material & description	quantity		unit cost		amount	-
Hardwired Photoelectric Smoke Detector		15.00	units	/unit		-	
Fire Alarm Bell with switch manual pull station		1.00	units	/unit		-	
Luminous Fire Safety Signages Fire Exits		3	units	/unit		-	
Emergency light, Best Quality		4	units	/unit		-	
20lbs Fire Extinguisher, best quality		2	units	/unit		-	
consumables (3% of material cost)		1	lot			-	
2	labor	no.	daily rate		no of days	amount	-
production rate		in <sup>2</sup> /manhour		days to complete			
Construction foreman		1	/day		0.00		
Skilled laborer		1	/day		0.00		
Unskilled Laborer		2	/day		0.00		
3	equipment (rental based on ACEL rates)	unit	daily rental			amount	-
output rate		m <sup>2</sup> /manhour		days to complete			
minor tools (10% of Labor Cost)		/day		-			
4	Total Direct Cost (1 + 2 + 3)				-		
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		15%	of item 4	-		
6	Contractor's Profit		10%	of item 4	-		
7	Tax		7%	of item 4 + 5 + 6	-		
8	Total Cost (4 + 5 + 6 +7)		Php		-	cost per item	
Total Project Cost						-	
Prepared by:							
(Name of Contractor/ Bidder)							