

Project **CONSTRUCTION OF BIODIVERSITY RESEARCH CENTER - BOKOD CAMPUS**
 Owner Benguet State University
 Location BSU Campus, Daclan, Bokod, Benguet

ITEM No.	DETAILED UNIT PRICE ANALYSIS AND COST 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		
	Elf Truck	unit	/day		
4	Total Direct Cost (1 + 2 + 3)				
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4		
6	Contractor's Profit		of item 4		
7	Tax		7% of item 4 + 5 + 6		
8	Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item
b.	Permits, Clearances & Project Billboard		1 LOT		
1	material & description	quantity	unit cost	amount	
	Permits, Clearances (includes sign and seal of professionals)	1 lot	/lot		
	Printed Tarpulin (8ft x 8ft)	5.76 sq.m.	/sq.m.		
	Ordinary Plywood	2 pcs	/pc		
	Good lumber	40.5 bd.ft.	/bd.ft		
	Assorted CWN	1 kg	/kg		
2	labor	no.	daily rate	amount	
	production rate		days to complete		
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)		of item 4		
6	Contractor's Profit		of item 4		
7	Tax		7% of item 4 + 5 + 6		
8	Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item
c.	Safety and Health		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	15 pcs.	/pc.		
	safety shoe/ boots	15 pcs.	/pc.		
	safety gloves	15 pcs.	/pc.		
	skull guard/ hard hat	15 pcs.	/pc.		
	safety harnes	10 pcs.	/pc.		
	first aid kit	1 unit	/unit		
	fire extinguisher, 5lbs. (refill)	1 unit	/unit		
2	labor	no.	daily rate	no of days	amount
	production rate		days to complete		
	lead man		/day		
	skilled labor		/day		

	unskilled labor		/day			
3	equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	
	output rate			days to complete		
	minor tools (10% of Labor Cost)					
4	Total Direct Cost (1 + 2 + 3)					
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4			
6	Contractor's Profit		of item 4			
7	Tax		7% of item 4 + 5 + 6			
8	Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
d.	Clearing, Grubbing and Cleaning	quantity	m ²			
1	material & description	quantity	unit cost	amount		
2	labor	no.	daily rate	no of days	amount	
	production rate		m ² /manhour		days to complete	
	lead man	1	/day			
	skilled labor	0	/day			
	unskilled labor	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)					
4	Total Direct Cost (1 + 2 + 3)					
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4			
6	Contractor's Profit		of item 4			
7	Tax		7% of item 4 + 5 + 6			
8	Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
e.	Temporary Facility and Utilities	12	m ²			
1	material & description	quantity	unit cost	amount		
	assorted construction materials	1 lot	/lot			
	Assorted CWNs	5 kgs	/kg			
2	labor	no.	daily rate	no of days	amount	
	production rate		m ² /manhour		days to complete	
	lead man	1	/day			
	skilled labor	1	/day			
	unskilled labor	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)					
4	Total Direct Cost (1 + 2 + 3)					
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4			
6	Contractor's Profit		of item 4			
7	Tax		7% of item 4 + 5 + 6			
8	Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
f.	Structural Excavation - common earth	quantity	m ³			
1	material & description	quantity	unit cost	amount		
2	labor	no.	daily rate	no of days	amount	
	production rate		m ³ /manhour		days to complete	
	lead man	1	/day			
	skilled labor	1	/day			
	unskilled labor	3	/day			
3	equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	
	output rate		m ³ /manhour		days to complete	
	Excavator, .80m ³		/day			
	dump truck, 12 yd. ³		/day			

minor tools (10% of Labor Cost)

4	Total Direct Cost (1 + 2 + 3)				
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4		
6	Contractor's Profit		of item 4		
7	Tax		7% of item 4 + 5 + 6		
8	Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item

g. Embankment from excavation						quantity	m³
1 material & description		quantity		unit cost		amount	
2 labor		no.	daily rate	no of days	amount		
		production rate		m³/manhour	days to complete		
lead man		1	/day				
skilled labor		1	/day				
unskilled labor		3	/day				
3 equipment (rental based on ACEL rates)		unit	daily rental	no of days	amount		
		output rate		m³/manhour	days to complete		
Excavator, .80m ³			/day				
plate compactor (0.50hr / 1.20m ³)			/day				
minor tools (10% of Labor Cost)							
4	Total Direct Cost (1 + 2 + 3)						
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4				
6	Contractor's Profit		of item 4				
7	Tax		7% of item 4 + 5 + 6				
8	Total Unit Cost (4 + 5 + 6 + 7)		Php				cost per item

II. PLAIN and REINFORCED CONCRETE WORKS

a. Gravel Bedding						quantity	m³
1 material & description		quantity		unit cost		amount	
Gravel Bedding - G1		quantity	m ²	/m ³			
(1.05m ³ per m ² w/ 5% shrinkage)							
2 labor		no.	daily rate	no of days	amount		
		production rate		m³/manhour	days to complete		
lead man			/day				
unskilled labor			/day				
3 equipment (rental based on ACEL rates)		unit	daily rental	no of days	amount		
		output rate		kgs/unit-hour	days to complete		
plate compactor (0.50hr / 1.20m ³)			/day				
minor tools (10% of Labor Cost)							
4	Total Direct Cost (1 + 2 + 3)						
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4				
6	Contractor's Profit		of item 4				
7	Tax		7% of item 4 + 5 + 6				
8	Total Unit Cost (4 + 5 + 6 + 7)		Php				cost per item

b. Reinforced Steel Works						50,857.78	kgs.
1 material & description		quantity		unit cost		amount	
10mm dia. x 6 m deformed steel bar, grade 33		23,813.38	kgs.	/kgs.			
12mm dia. x 6 m deformed steel bar, grade 33		105.99	kgs.	/kgs.			
16mm dia. x 6 m deformed steel bar, grade 60		7,854.54	kgs.	/kgs.			
20mm dia. x 6 m deformed steel bar, grade 60		19,083.87	kgs.	/kgs.			
#16 Galvanized Iron Wire		#REF!	kgs.	/kgs.			
2 labor - cut, bend & place up to 5 storeys		no.	daily rate	no of days	amount		
		production rate		kgs/manhour	days to complete		
lead man		1	/day				
skilled labor		3	/day				
unskilled labor		12	/day				
3 equipment (rental based on ACEL rates)		unit	daily rental	no of days	amount		

	output rate	kgs/unit/hour	days to complete
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)		0% of item 4	
6 Contractor's Profit		0% of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item
c. Formworks & False Works	quantity	m ²	
1 material & description	quantity	unit cost	amount
19mm x 1.2m x 2.4m Phenolic Board (5 uses)	205 pcs.	/pc.	
Good Lumber (3 uses)	#REF! 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	m ² /manhour	days to complete
install			
lead man	1	/day	
skilled labor	4	/day	
unskilled labor	4	/day	
stripping			
lead man	1	/day	
unskilled labor	6	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
		amount	
Area 336m ²	output rate	m ² /14days	days to complete
H-Frame 1.7m x 1.2m, set (2pcs. H-Frames, 4pcs diagonal cross braces, 4pcs horizontal braces & 8pcs joint pins)	40	/day	
Shoring Jack, 3.8m full extension	62	/day	
Adjustable U-head Jack, 0.60m	80	/day	
Adjustable Base Jack, 0.60m	80	/day	
1-½" G.I. Pipe x 6.0m	62	/day	
1-½" G.I. Pipe x 4.0m	16	/day	
1-½" G.I. Pipe x 3.0m	32	/day	
1-½" G.I. Pipe x 1.0m	216	/day	
Tie Rod x 0.60m	278	/day	
Round Wing Nut	558	/day	
4 Total Direct Cost (1 + 2 + 3)			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4	
6 Contractor's Profit		of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item
d. Concrete Works	#REF!	m ³	
1 material & description	quantity	unit cost	amount
(structural concrete Class AA, 3000psi @ 28days)			
Portland Cement, 40kg	3080 bags	/bags	
Gravel, ¾"	#REF! m ³	/m ³	
Sand	#REF! m ³	/m ³	
2 labor - mix, place & cure	no.	daily rate	no of days
		amount	
footing and slab on fill class A, 3000psi @ 28days	production rate	m ³ /manhour	days to complete
FTB, SS, Column and Beam/ Girder class A, 3000psi @ 28days	production rate	m ³ /manhour	days to complete
lead man	1	/day	
skilled labor	1	/day	
unskilled labor	4	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
		amount	

	output rate	m ³ /unithour	days to complete
Transit Mixer, 2.5 cu.m.		/day	
Pumpcrete		/day	
Concrete Vibrator		/day	
minor tools (10% of Labor Cost)			
4 Total Direct Cost (1 + 2 + 3)			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		% of item 4	
6 Contractor's Profit		% of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item
III. ROOFING WORKS			
a. Structural Steel Roof Framing	quantity	kgs.	
1 material & description	quantity	unit cost	amount
refer to plan	167 pcs.	/pc.	
50mm x 150mm x 2mm C-Purlins	8 pcs.	/pc.	
Standard trunbuckle	7 pcs.	/pc.	
16mmØ plain bar cross bracing	6.9 pcs.	/pc.	
6mm thick Gusset plate	71.29 sq.m.	/sq.m.	
acetylene	142.59 kgs.	/kg.	
oxygen	129.63 kgs.	/kg.	
welding rod	0 kgs.	/kg.	
consumables (5% of Material Cost)	1 lot	/lot	
2 labor - fabrication, assembly & erection up to 5 storeys	no.	daily rate	no of days
amount			
fabrication and assembly	production rate	kgs/manhour	days to complete
leadman	1	/day	
skilled labor	2	/day	
unskilled labor	2	/day	
erection			
skilled labor	3	/day	
unskilled labor	3	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
amount			
	output rate	kgs/unithour	days to complete
welding machine		/day	
cutting outfit		/day	
minor tools (10% of Labor Cost)		lot	
4 Total Direct Cost (1 + 2 + 3)			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4	
6 Contractor's Profit		of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item
b. Roof Sheeting and Accessories	849.31	m²	
1 material & description	quantity	unit cost	amount
0.4mm 1.20m x 8m rib-type long span metal roofing, dark green	90 pcs.	/pc.	
0.4mm thick x 2.44m pre-painted metal gutter, dark green	95 l.m.	/l.m.	
0.4mm thick x 2.44m pre-painted metal flashing, dark green	95 l.m.	/l.m.	
0.4mm thick x 2.44m pre-painted ridge roll, dark green	64.8 l.m.	/l.m.	
foam insulation, 2 sided aluminum (0.5mm)	22 roll	/roll	
4'X 1"X 27.5.wire mesh screen	20 roll	/roll	
consumables (3% of Material Cost)	1 lot	/lot	
2 labor -	no.	daily rate	no of days
amount			
	production rate	m²/manhour	days to complete
leadman	1	/day	
skilled labor	2	/day	
unskilled labor	3	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
amount			

	output rate	m ² /unithour	days to complete
scaffoldings/ H-frames, set		/day	
power tools (10% of Labor Cost)		/day	
minor tools (10% of Labor Cost)		/day	
4 Total Direct Cost (1 + 2 + 3)			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		% of item 4	
6 Contractor's Profit		% of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item
IV. MASONRY WORKS			
a. CHB Laying	609.45 m²		
***First Floor and Second Floor exterior walls	374.1 m ²		
***First Floor interior walls	9.72 m ²		
***Plant Box	quantity	m ²	
1 material & description	quantity	unit cost	amount
100mm thk. CHB	10,685 pcs.	/pc.	
cement	449 bags	/bag	
washed sand	37.40 m ³	/m ³	
10mm diameter x 6m reinforcing steel	14.90 kgs.	/kgs.	
#16 G.I. tie wire no.	kgs.	/kgs.	
2 labor	no.	daily rate	no of days
	production rate	m ² /manhour	days to complete
leadman	1	/day	
skilled labor	2	/day	
unskilled labor	4	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
	output rate	kgs/unithour	days to complete
one bagger mixer		/day	
minor tools (10% of Labor Cost)			
4 Total Direct Cost (1 + 2 + 3)			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4	
6 Contractor's Profit		of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item
b. Plastering and Topping	0 m²		
***First floor exterior and interior walls			
***Second floor exterior walls only			
***including groove accent finish			
1 material & description	quantity	unit cost	amount
cement	415.00 bags	/bag	
sand	30.14 m ³	/m ³	
2 labor	no.	daily rate	no of days
	plastering production rate	m ² /manhour	days to complete
	topping production rate	m ² /manhour	days to complete
leadman	1	/day	
skilled labor	2	/day	
unskilled labor	5	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
	output rate	m ² /unithour	days to complete
scaffoldings/ H-frames		/day	
minor tools (10% of Labor Cost)			
4 Total Direct Cost (1 + 2 + 3)			
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4	
6 Contractor's Profit		of item 4	
7 Tax		7% of item 4 + 5 + 6	

8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item	
V. ELECTRICAL WORKS						
a. Conduits and Boxes		quantity		Im.		
1 material & description		quantity		unit cost		amount
20mm x 3m uPVC conduit pipe		165	pcs.	/pc.		
deep utility/ junction box		37	pcs.	/pc.		
conduit fittings		1	lot	/lot		
consumables (5% of material cost)		1	lot	/lot		
2 labor		no.		daily rate		no of days
		production rate		Im/manhour		days to complete
leadman		1		/day		
skilled labor		1		/day		
unskilled labor		3		/day		
3 equipment (rental based on ACEL rates)		unit		daily rental		no of days
		output rate		Im/manhour		days to complete
scaffoldings/ H-frames, set				/day		
minor tools (10% of Labor Cost)				/day		
4 Total Direct Cost (1 + 2 + 3)						
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				of item 4		
6 Contractor's Profit				of item 4		
7 Tax				7% of item 4 + 5 + 6		
8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item	
b. Wires and Wiring Devices		quantity		Im.		
1 material & description		quantity		unit cost		amount
3.5 mm ² dia. THHN wire		223.35	l.m.	/l.n.m.		
2.0 mm ² dia. THHN wire		267.22	l.m.	/l.n.m.		
5.5 mm ² dia. THHN wire		50	l.m.	/l.n.m.		
One-gang switch, flush type, 10A, 230V		20	set	/set		
Two-gang switch, flush type, 10A, 230V		12	set	/set		
One-gang, 3-way switch, flush type, 10A, 230V		3	set	/set		
Duplex universal convenience outlet, flush type, 10A, 230V and others)		20	set	/set		
consumables (5% of material cost)		1	lot	/lot		
2 labor		no.		daily rate		no of days
		production rate		Im/manhour		days to complete
leadman		1		/day		
electrician		1		/day		
unskilled labor		1		/day		
3 equipment (rental based on ACEL rates)		unit		daily rental		no of days
		output rate		unit/manhour		days to complete
scaffoldings/ H-frames				/day		
minor tools (10% of Labor Cost)				/day		
4 Total Direct Cost (1 + 2 + 3)						
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				of item 4		
6 Contractor's Profit				of item 4		
7 Tax				7% of item 4 + 5 + 6		
8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item	
c. Electrical Fixtures		0		units		
***First floor only						
1 material & description		quantity		unit cost		amount
2-T-8 LED lights with housing and diffuser (First Floor Only)		22	set	/set		
5-watt round LED Pin light (recessed)-First Floor Only		13	set	/set		
consumables (5% of material cost)		1	lot	/lot		
2 labor		no.		daily rate		no of days
		production rate		unit/manhour		days to complete

	leadman	1	/day		
	electrician	1	/day		
	unskilled labor	2	/day		
3	equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount
	output rate		unit/manhour		days to complete
	scaffoldings/ H-frames		/day		
	minor tools (10% of Labor Cost)		/day		
4	Total Direct Cost (1 + 2 + 3)				
5	OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4		
6	Contractor's Profit		of item 4		
7	Tax		7% of item 4 + 5 + 6		
8	Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item

d. Panel Board/ Boxes/ Breakers (First Floor and Second Floor) 2 units

1	material & description	quantity	unit cost	amount	
	Panel Board with Main Breaker and 8 Branches 2 poles	2 set	/set		
	Circuit Breaker, plug-in, 15A/230V (best quality)	7 set	/set		
	Circuit Breaker, plug-in, 20A/230V(best quality)	5 set	/set		
	Circuit Breaker, plug-in, 30A/230V(best quality)	7 set	/set		
	Circuit Breaker, plug-in, 60A/230V (main)	2 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
	leadman	1	/day		
	electrician	1	/day		
	unskilled labor	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)		of item 4		
6	Contractor's Profit		of item 4		
7	Tax		7% of item 4 + 5 + 6		
8	Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item

VII. PLUMBING WORKS

a. Pipe Lines (First Floor and Second Floor) quantity lm.

1	material & description	quantity	unit cost	amount	
	(6")-150mm dia. X 3000mm PVC pipe, s-1000	18 pcs.	/pc.		
	(4")-100mm dia. X 3000mm PVC pipe, s-1000	25 pcs.	/pc.		
	(2")-50mm dia. X 3000mm PVC pipe, s-1000	48 pcs.	/pc.		
	(1/2")-20mm dia. X 4000mm PPR pipe, PN20	35 pcs.	/pc.		
	(3/4")-25mm dia. X 4000mm PPR pipe, PN20	1 pcs.	/pc.		
	assorted fittings	1 lot	/lot		
	3/4" gate valve, brass	1 pcs.	/pc.		
	consumables (5% of material cost)	1 lot	/lot		
2	labor (cut, fabricate, instalation)	no.	daily rate	no of days	amount
	production rate		lm/manhour		days to complete
	leadman	1	/day		
	skilled labor	2	/day		
	unskilled labor	2	/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		/day		
	minor tools (10% of Labor Cost)		/day		
4	Total Direct Cost (1 + 2 + 3)				

5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4			
6 Contractor's Profit		of item 4			
7 Tax		7% of item 4 + 5 + 6			
8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
b. Plumbing Fixtures		26 units			
1 material & description		quantity		unit cost	amount
(LAB) 450 mm laboratory sink (square), undercounter with basin top stainless faucet, necessary fittings and accessories		7	set	/set	
(CR) 450 mm lavatory sink (oval), undercounter with basin top stainless faucet, necessary fittings and accessories		5	set	/set	
cover, necessary fittings and accessories		4	set	/set	
fittings and accessories		4	set	/set	
stainless floor drain with insect proof and odor trap		6	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
leadman		1	/day		
skilled labor		1	/day		
unskilled labor		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)		of item 4			
6 Contractor's Profit		of item 4			
7 Tax		7% of item 4 + 5 + 6			
8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
c.. Septic Tank (3.67m x 2.45m x 1.85m)		2 units			
1 material & description		quantity		unit cost	amount
Portland cement		547.43	bags	/bag	
10mm diameter x 6m RSB		547.43	kgs	/kg	
gravel 3/4		20.89	m ³	/m ³	
washed sand		10.45	m ³	/m ³	
#16 G.I. tie wire no.			kgs	/kg	
2 labor		no.	daily rate	no of days	amount
		production rate		unit/manhour	days to complete
Concrete works		20.89			
Steel Works					
leadman		1	/day		
skilled labor		3	/day		
unskilled labor		4	/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)		of item 4			
6 Contractor's Profit		of item 4			
7 Tax		7% of item 4 + 5 + 6			
8 Total Unit Cost (4 + 5 + 6 + 7)		Php			cost per item
VII. ARCHITECTURAL FINISHINGS					
a. Ceiling & Eaves		0 m ²			
*** First floor ceiling and 2nd floor roof eaves only					
1 material & description		quantity		unit cost	amount
4.5 mm thick Fiber Cement Board		122	pcs.	/pc.	
.5mm, 4" pre-painted Spandrel with mouldings and vent (2nd Floor eaves)		103	l.m.	/l.m.	

25mm x 3000mm x .5 mm thick Wall Angle	103	pcs.	/pc.
.50mm	294	pcs.	/pc.
Furring@.50mm	173	pcs.	/pc.
pre formed wire clip	1014	pcs.	/pc.
Rod suspension hanger with adjustment spring	292	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
leadman	1	/day		
skilled labor	2	/day		
unskilled labor	3	/day		
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount
output rate		m ² /manhour		days to complete
scaffoldings/ H-frames		/day		
minor tools (10% of Labor Cost)		/day		
4 Total Direct Cost (1 + 2 + 3)				
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4		
6 Contractor's Profit		of item 4		
7 Tax		7% of item 4 + 5 + 6		
8 Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item

b. Doors 0 m²

***first floor exterior doors and interior doors
 ***Second floor exterior doors only

1 material & description	quantity	unit cost	amount
DM200, aluminum glass panel door, double swing type, w/ accessories	1 sets	/set	
D-L200, aluminum glass panel door, double swing type, w/ accessories	3 sets	/set	
D100, tanguile panel type view window w/ 2" x 6" jamb, door knobs, hinges and other necessary hardwares, ***refer to plan	5 sets	/set	
DO100, tanguile panel type view window w/ 2" x 6" jamb, door knobs, hinges and other necessary hardwares, ***refer to plan	2 sets	/set	
Dcr100, uPVC Hollow core flush type w/ louvre on 2" x 6" jamb incl. door knobs, hinges and other necessary hardwares, ***refer to plan	2 sets	/set	
DFE, 1000mm x 2100mm Factory made Fire rated Fire Exit Door with panic bar and push plate, complete accessories and hardware***refer to plan	4 sets	/set	
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
leadman	1	/day		
skilled labor	1	/day		
unskilled labor	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)		of item 4		
6 Contractor's Profit		of item 4		
7 Tax		7% of item 4 + 5 + 6		
8 Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item

c. Windows 66.36 m²

***First Floor and Second floor

1 material & description	quantity	unit cost	amount
glass, weather proof, complete accessories and hardware	1 sets	/set	

W70, analoc aluminum window, awning type with 6mm thick glass, complete accessories and hardware (.70 x .60)***refer to plan	2	sets	/set
W120, analoc aluminum window, awning type with 6mm thick glass, complete accessories and hardware (1.20 x .60)***refer to plan	6	sets	/set
W180, analoc aluminum window, awning type with 6mm thick glass, complete accessories and hardware (1.80 x .60)***refer to plan	10	sets	/set

W240, analoc aluminum window, awning type with 6mm thick glass, weatherproof, complete accessories and hardware (2.40 x .60)***refer to plan	12	sets	/set
W300, analoc aluminum window, awning type with 6mm thick glass, weatherproof, complete accessories and hardware (3.00 x .60)***refer to plan	9	sets	/set
W460, analoc aluminum window, awning type with 6mm thick glass, weatherproof, complete accessories and hardware (3.00 x .60)***refer to plan	1	sets	/set
WL460, analoc aluminum window, awning type with 6mm thick glass, weatherproof, complete accessories and hardware (4.6 x .40; 1.20 x 2.80)***refer to plan	1	sets	/set
	0	1	lot

2 labor	no.	daily rate	no of days	amount
production rate		m ² /manhour	days to complete	
leadman	1	/day		
skilled labor	1	/day		
unskilled labor	2	/day		
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount
output rate		m ² /manhour	days to complete	
scaffoldings/ H-frames,sets		/day		
minor tools (10% of Labor Cost)		/day		
4 Total Direct Cost (1 + 2 + 3)				
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)		of item 4		
6 Contractor's Profit		of item 4		
7 Tax		7% of item 4 + 5 + 6		
8 Total Unit Cost (4 + 5 + 6 + 7)		Php		cost per item

d. Dry wall partition - First Floor Laboratory & Fixing rooms only - m²

1 material & description	quantity	unit cost	amount
4.5 mm thick Fiber Cement Board	45 pc.	/pc.	
.5mm thick x 50mm x 75mm x 3m metal track	242 pc.	/pc.	
.5mm thick x 50mm x 75mm x 3m metal stud	242 pc.	/pc.	
consumables (5% of material cost)	1 lot	/lot	
2 labor	no.	daily rate	no of days
production rate		m ² /manhour	days to complete
leadman	1	/day	
skilled labor	2	/day	
unskilled labor	2	/day	
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days
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)		of item 4	
6 Contractor's Profit		of item 4	
7 Tax		7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)		Php	cost per item

e. Painting 4.50 m²

***stairs front	4.32 sqm
material & description	quantity sqm
1 material & description	quantity
primer	402 gal.

	skim coat	146	bag	/bag		
	semi-glosslatex (two coats only)	170	gal.	/gal.		
	consumables (5% of material cost)	1	lot	/lot		
2	<i>labor</i>	<i>no.</i>		<i>daily rate</i>	<i>no of days</i>	<i>amount</i>
		<i>production rate</i>		<i>m²/manhour</i>		<i>days to complete</i>
	leadman	1		/day		
	skilled labor	2		/day		
	unskilled labor	3		/day		
3	<i>equipment (rental based on ACEL rates)</i>	<i>unit</i>		<i>daily rental</i>	<i>no of days</i>	<i>amount</i>
		<i>output rate</i>		<i>m²/manhour</i>		<i>days to complete</i>
	scaffoldings/ H-frames			/day		
	minor tools (10% of Labor Cost)			/day		
4	<i>Total Direct Cost (1 + 2 + 3)</i>					
5	<i>OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)</i>					
6	<i>Contractor's Profit</i>					
7	<i>Tax</i>					
8	<i>Total Unit Cost (4 + 5 + 6 + 7)</i>					
				Php		<i>cost per item</i>
f.	Tileworks (Unglazed Tiles) 0.00 m²					
	***First Floor Interior	39.75				
	***First floor cr	0.00				
	***Ramp exterior	<i>quantity</i>				
	***stairs interior	111.00				
	***stairs front	15.00				
1	<i>material & description</i>	<i>quantity</i>		<i>unit cost</i>	<i>amount</i>	
	tile adhesive	14	pcs.	/pc		
	tile grout	3	pcs.	/pc		
	Consumables 3% of Material Cost	0	pcs.	/pc		
	cement	no.	bags(40kg)	/bag		
	sand	<i>production rate</i>	m ³	/m ³		
	tile adhesive	1.00	bags(20kg)	/bag		
	tile grout	5.00	bags(5kg)	/bag		
2	<i>labor</i>	<i>no.</i>		<i>daily rate</i>	<i>no of days</i>	<i>amount</i>
		<i>production rate</i>		<i>m²/manhour</i>		<i>days to complete</i>
	leadman	1				
	skilled labor	5		/day		
	unskilled labor	5		/day		
3	<i>equipment (rental based on ACEL rates)</i>	<i>unit</i>		<i>daily rental</i>	<i>no of days</i>	<i>amount</i>
		<i>output rate</i>		<i>kgs/unithour</i>		<i>days to complete</i>
	minor tools (10% of Labor Cost)					
4	<i>Total Direct Cost (1 + 2 + 3)</i>					
5	<i>OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)</i>					
6	<i>Contractor's Profit</i>					
7	<i>Tax</i>					
8	<i>Total Unit Cost (4 + 5 + 6 + 7)</i>					
				Php		<i>cost per item</i>
g.	Tileworks (glazed Tiles) 96.55 m²					
	***First floor					
1	<i>material & description</i>	<i>quantity</i>		<i>unit cost</i>	<i>amount</i>	
	0.60mx 0.60m glazed tiles, Granite Tiles (counter tops)	111	pcs.	/pc.		
	cement	15.00	bags	/bag		
	sand	2.00	m ³	/m ³		
	tile adhesive	14.00	bags	/bag		
	tile grout	3.00	bags	/bag		
	Consumables 3% of Material Cost					
2	<i>labor</i>	<i>no.</i>		<i>daily rate</i>	<i>no of days</i>	<i>amount</i>
		<i>production rate</i>		<i>m²/manhour</i>		<i>days to complete</i>
	leadman	1		/day		

	skilled labor	5		/day		
	unskilled labor	5		/day		
3	equipment (rental based on ACEL rates)	unit		daily rental	no of days	amount
		output rate		kgs/unit hour		days to complete
	minor tools (10% of Labor Cost)			/day		
4	Total Direct Cost (1 + 2 + 3)					
5	OCM (OVERHEAD, CONTINGENCIAS & MISCELLANEOUS EXPENSES) of item 4					
6	Contractor's Profit of item 4					
7	Tax 7% of item 4 + 5 + 6					
8	Total Unit Cost (4 + 5 + 6 + 7) Php cost per item					
h.	Exterior Cladding Accent		1.00 m ²			
1	material & description	quantity		unit cost	amount	
	Crazy Cut stone cladding accent	1.00	sq.m.	/sq.m.		
	portland cement, 40kg.	80	bags	/bag		
	sand	2.21	m ³	/cu.m.		
2	labor	no.		daily rate	no of days	amount
		production rate		m ² /manhour		days to complete
	leadman	1		/day		
	skilled labor	2		/day		
	unskilled labor	2		/day		
3	equipment (rental based on ACEL rates)	unit		daily rental	no of days	amount
		output rate		m ² /manhour		days to complete
	scaffoldings/ H-frames,set			/day		
	minor tools (10% of Labor Cost)			/day		
4	Total Direct Cost (1 + 2 + 3)					
5	OCM (OVERHEAD, CONTINGENCIAS & MISCELLANEOUS EXPENSES) of item 4					
6	Contractor's Profit of item 4					
7	Tax 7% of item 4 + 5 + 6					
8	Total Unit Cost (4 + 5 + 6 + 7) Php cost per item					
i.	Modular Partition (Ground Floor Only)		31 m ²			
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
	leadman	1		/day		
	skilled labor	2		/day		
	unskilled labor	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, CONTINGENCIAS & MISCELLANEOUS EXPENSES) of item 4					
6	Contractor's Profit of item 4					
7	Tax 7% of item 4 + 5 + 6					
8	Total Unit Cost (4 + 5 + 6 + 7) Php cost per item					
j.	Stainless Steel Letterings & Wall painted signage		20.00 in ²			
1	material & description	quantity		unit cost	amount	
	Stainless Steel Letterings, 10"x 6", 26 letters	no.	sq.in.	/sq.in.		
	8"x 3", 22 letters **wall painted	production rate	sq.in.	/sq.in.		
	12" dia. Logo**wall painted	1	sq.in.	/sq.in.		
2	labor	no.		daily rate	no of days	amount
		production rate		in ² /manhour		days to complete
	leadman	1		/day		
	skilled labor	1		/day		
	unskilled labor	1		/day		
3	equipment (rental based on ACEL rates)	unit		daily rental	no of days	amount

		output rate	m ² /manhour	days to complete
scaffoldings/ H-frames set			/day	
minor tools (10% of Labor Cost)			/day	
4 Total Direct Cost (1 + 2 + 3)				
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)			of item 4	
6 Contractor's Profit			of item 4	
7 Tax			7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)			Php	cost per item
k. Handrails and guardrails ,fire escape 1 lm.				
1 material & description	quantity	unit cost	amount	
1.2mm thick x 50mm x 50mm x 6000mm steel tubular	17 pcs.	/pc.		
escape enclosure ;and handrails)	32 pcs.	/pc.		
.5mm thick x 25mm x 6000mm flat bar	8 pcs.	/pc.		
.5mm thick x 50mm x 6000mm flat bar (fire escape cover)	2 pcs.	/pc.		
.5mm thick x 50mm X 50mmx 6000mm angle bar	10 pcs.	/pc.		
Welding rod	15 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
leadman	1	/day		
skilled labor	2	/day		
unskilled labor	3	/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)			of item 4	
6 Contractor's Profit			of item 4	
7 Tax			7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)			Php	cost per item
VIII. FIRE SAFETY ***First Floor Only 21.00 units				
1 material & description	quantity	unit cost	amount	
Hardwired Photoelectric Smoke Detector	11 units	/unit		
Fire Alarm Bell with switch manual pull station	1 units	/unit		
Luminous Fire Safety Signages	4 units	/unit		
emergency light,best quality	3 units	/unit		
20lbs Fire Extinguisher,best quality	2 units	/unit		
consumables (3% of material cost)	1 lot	/lot		
2 labor	no.	daily rate	no of days	amount
		production rate	in ³ /manhour	days to complete
leadman	1	/day		
skilled labor	1	/day		
unskilled labor	2	/day		
3 equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount
		output rate	m ² /manhour	days to complete
scaffoldings/ H-frames set		/day		
minor tools (10% of Labor Cost)		/day		
4 Total Direct Cost (1 + 2 + 3)				
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)			of item 4	
6 Contractor's Profit			of item 4	
7 Tax			7% of item 4 + 5 + 6	
8 Total Unit Cost (4 + 5 + 6 + 7)			Php	cost per item
Total Project Cost				
Prepared by:				
Name of Contractor/ Bidder				