LETTER HEAD

Project
Owner Benguet State University
Location BSU La Trinidad Campus, Benguet

BILL OF QUANTITES						
ITEM No.	**ITEMS OF WORK and DESCRIPTION**					
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***	
	Cargo/Service Truck		unit		-	
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	1	lot	/lot	-	
	8'x8' Project Billboard	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*	*no of days*	*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	30	pcs.	/pc.	-	
	safety shoe/ boots	30	pcs.	/pc.	-	
	safety gloves	30	pcs.	/pc.	-	
	skull guard/ hard hat	30	pcs.	/pc.	-	
	safety harness	20	pcs.	/pc.	-	
	first aid kit	1	unit	/unit	-	
	Safety Net (1/8"x 2.7m x 90m)	4	roll	/roll	-	
	fire extinguisher, 5lbs. (refill)	1	unit	/unit	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*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***	
	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	**219.6**	**m^3**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	Rope, 1" ∅-5 uses	20	m	/m	-	

2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate			***days to complete***	
	****including removal of existing trees*					
	lead man		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	-		***days to complete***	
			/day		-	
			/day		-	
	minor tools				-	
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**	**m²**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	assorted construction materials	1	lot	/lot	-	
	Assorted CWN	2	kg	/kg	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***		***days to complete***	
	lead man		/day			
	skilled labor		/day			
	unskilled labor		/day			
3	*equipment (rental based on ACEL rates)*		*daily rental*	*no of days*	*amount*	-
		output rate	***m²/manhour***		***days to complete***	
	minor tools				-	
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	**890.4**	**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		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***m³/manhour***		***days to complete***	
	Excavator, .80m³		/day		-	
	dumptruck, (12yd³)		/day		-	
	minor tools				-	
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.	Embankment from Structure Excavation	**840.4**	**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		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***m³/manhour***		***days to complete***	
	excavator, .80m³		/day		-	
	plate compactor (0.50hr / 1.20m³)		/day		-	

	minor tools				-	
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	**37.32**	**m³**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	Gravel Bedding - G1	37.32	m³	/m³	-	
	(1.05m³ per m² w/ 5% shinkage)					
2	*labor -place*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/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	***m²/unithour***		***days to complete***	
	plate compactor (0.50hr / 1.20m³)		/day		-	
	minor tools				-	
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.	Steel Works	**30,623.81**	**kgs.**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	20mm Dia. RSB GRADE 60	14,120.18	kgs.	/kgs.	-	
	16mm Dia. RSB GRADE 60	3,640.00	kgs.	/kgs.	-	
	12mm Dia. RSB GRADE 33	105.96	kgs.	/kgs.	-	
	10mm Dia. RSB GRADE 33	12,615.00	kgs.	/kgs.	-	
	#16 Galvanized Iron Wire	322.52	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		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***kgs/unithour***		***days to complete***	
	bar cutter		/day		-	
	bar bender		/day		-	
	minor tools				-	
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.	Formworks	**703.14 m²**				
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	19mm x 1.2m x 2.4m Phenolic Board (5 uses)	122		/pc	-	
	Good Lumber (3 uses)	1680		/bd.ft.	-	
	consumables				-	
2	*labor - fabricate, install & strip up to 5 storeys*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/ manhour***		***days to complete***	
	install					
	lead man		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
	stripping					
	lead man		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
	Area 205.01m ²	***output rate***	***m²/ 14days***		***days to complete***	
	H-Frame 1.7m x 1.2m, set	40	sets		-	

	(2pcs. H-Frames, 4pcs diagonal cross braces, 4pcs horizontal braces & 8pcs joint pins)					
	Shoring Jack, 3.8m full extension	62	pcs.		-	
	Adjustable U-head Jack, 0.60m	80	pcs.		-	
	Adjustable Base Jack, 0.60m	80	pcs.		-	
	1-½" G.I. Pipe x 6.0m	62	pcs.		-	
	1-½" G.I. Pipe x 4.0m	16	pcs.		-	
	1-½" G.I. Pipe x 3.0m	32	pcs.		-	
	1-½" G.I. Pipe x 1.0m	216	pcs.		-	
	Tie Rod x 0.60m	278	pcs.		-	
	Round Wing Nut	558	pcs.		-	
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	**221.26**	**m³**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	(structural concrete Class AA, 3000psi @ 28days)					
	Ready Mix Concrete 3000 PSI (20.7MPa.) @ 28 Days	122.27	m³	/m³	-	
	Ready Mix Concrete 4000 PSI (27.58MPa.) @ 28 Days	98.99	m³	/m³	-	
2	*labor - mix, place & cure*	*no.*	*daily rate*	*no of days*	*amount*	-
	footing and slab on fill class A, 3000psi @ 28days	***production rate***	***m³/manhour***		***days to complete***	
	FTB, SS, Column and Beam/ Girder class A, 3000psi @ 28days	***production rate***	***m³/manhour***		***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	***m³/unithour***		***days to complete***	
	Transit Mixer, 2.5 cu.m.		/day		-	
	Concrete Pump		/day		-	
	Concrete Vibrator		/day		-	
	minor tools				-	
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	**3,439.80**	**kgs.**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	6mmx 50mmx50mmx6m angle bar structural steel framing refer to plan	132.00	pcs	/pc	-	
	50mm x 150mm x 2mm C-Purlins	98.00	pcs	/pc	-	
	Standard trunbuckle	24.00	pcs	/pc	-	
	16mm∅ plain bar cross bracing	19.00	pcs	/pc	-	
	6mm thick Gusset plate	3.75	sq.m.	/sq.m.	-	
	acetylene	37.84	kgs.	/kgs.	-	
	oxygen	75.68	kgs.	/kgs.	-	
	welding rod	68.80	kgs.	/kgs.	-	
	consumables		lot		-	
2	*labor - fabrication, assembly & erection*	*no.*	*daily rate*	*no of days*	*amount*	-
	fabrication and assembly	***production rate***	***kgs/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
	erection and installation		***set/manhour***			
	skilled labor		/day		-	
	unskilled labor		/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		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	**343.23**	**m²**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	0.4mm 1.20m x 8m rib-type long span metal roofing, dark green	19.00	pcs.	/pc.		-	
	0.4mm x 2.4 ridge cap, dark green	10	pcs.	/pc.		-	
	Fascia Board	33	pcs.	/pc.		-	
	Flashing	23	pcs.	/pc.		-	
	foam insulation, two- sided aluminum (0.5mm)	6	rolls	/roll		-	
	Texscrew	3432	pcs.	/pc.		-	
	4'X 1"X 27.5,wire mesh screen	8	roll	/roll		-	
	consumables					-	
2	*labor (cut, installation)*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m²/manhour***		***days to complete***	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m²/unithour***		***days to complete***	
	H-Frame 1.7m x 1.2m, set		-	/day		-	
	power tools			/day		-	
	minor tools			/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	**544.85**	**m²**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	100mm thk. CHB	6811	pcs.	/pc.		-	
	cement	286	bags	/bag		-	
	course aggregates	21.79	m³	/m³		-	
	10mm dia reinforcing steel	1,765.31	kgs.	/kgs.		-	
	#16 G.I. tie wire	27.24	kgs.	/kgs.		-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
		production rate		***m²/manhour***		***days to complete***	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/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			/day		-	
	minor tools					-	
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	**1527.33**	**m²**				
1	*material & description*	*quantity*		*unit cost*		*amount*	-
	cement	459.00	bags	/bag		-	
	sand	38.18	m³	/m³		-	
2	*labor*	*no.*	*daily rate*		*no of days*	*amount*	-
	plastering	***production rate***		***m²/manhour***		***days to complete***	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*		*no of days*	*amount*	-
		output rate		***m²/unithour***		***days to complete***	
	H-Frame 1.7m x 1.2m, set			/day		-	

	minor tools		/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*
V.	ELECTRICAL WORKS					
a.	Conduits and Boxes	**285**	**lm.**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	20mm PVC pipes	95	pcs.	/pc.	-	
	Utility Box,PVC, deep type	29	pcs.	/pc.	-	
	Junction Box,PVC, deep type	36	pcs.	/pc.	-	
	conduit fittings	1	lot	/lot	-	
	consumables		lot	/lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***lm/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***lm/manhour***		***days to complete***	
	minor tools		/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	**1200**	**lm.**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	# 14 THHN Stranded Wire	4	boxes	/box	-	
	# 12 THHN Stranded Wire	3	boxes	/box	-	
	#10 THHN Stranded Wire	1	box	/box	-	
	Single Switch Element, 10amp	15	pcs	/pc	-	
	Two-gang Switch element,10 amp	9	pcs	/pc	-	
	Thee-way Switch Element, 10amp	2	pcs	/pc	-	
	Duplex Convenience Outlet	32	pcs	/pc	-	
	Universal Floor outlet	4	pcs	/pc	-	
	Service entry connection and assembly (service drop, spools & others)	1	lot	/lot	-	
	consumables				-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***lm/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***25*** ***lm/manhour***	***6***	***days to complete***	
	minor tools		/day		-	
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.	Electrical Fixtures	**39**	**sets**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	2- T8 LED tubes with housing and diffuser	32	sets	/set	-	
	4" Receptacle with LED Bulb	4	sets	/set	-	
	Rechargeable LED Twin Head Emergency Light	3	sets	/set	-	
	12" Ceiling Exhaust Fan	4	sets	/set	-	
	12" Wall Mounted Exhaust Fan	1	set	/set	-	
	Aluminum Flexible duct, 200mm dia	12	meters	/meter	-	
	consumables				-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-

		production rate		set/manhour	days to complete	
	skilled labor			/day	-	
	unskilled labor			/day	-	
3	equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	-
		output rate		set/manhour	days to complete	
	H-Frame 1.7m x 1.2m, set			/day	-	
	minor tools			/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	**2**	**set**			
1	material & description	quantity		unit cost	amount	-
	Panel Board with Main Breaker and 6 Branches	2	set	/set	-	
	Circuit breakers element , plug-in(60 amp, best quality)	1	unit	/unit	-	
	Circuit breakers element, plug-in (20 amp, best quality)	36	units	/unit	-	
	Circuit breaker element, plug-in (15 amp, best quality)	34	units	/unit	-	
	consumables		lot		-	
2	labor	no.	daily rate	no of days	amount	-
	5.50hrs/ panel board	production rate		set/manhour	days to complete	
	leadman			/day		
	skilled labor			/day		
	unskilled labor			/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
VI.	PLUMBING WORKS					
a.	Pipe Lines	**122**	**lm.**			
1	material & description	quantity		unit cost	amount	-
	2"∅ PVC Pipe , S-1000	15	pc	/pc	-	
	4"∅ PVC Pipe , S-1000	7	pc	/pc	-	
	1"∅ PPR Pipe Water Line	14	pc	/pc	-	
	1/2"∅ PPR Pipe Water Line	4	pc	/pc	-	
	assorted fittings	1	lot	/lot	-	
	consumables		lot	/lot	-	
2	labor	no.	daily rate	no of days	amount	-
		production rate		lm/manhour	days to complete	
	leadman			/day	-	
	skilled labor			/day	-	
	unskilled labor			/day	-	
3	equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	-
		output rate		lm/manhour	days to complete	
	H-Frame 1.7m x 1.2m, set			/day	-	
	minor tools			/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	**29**	**units**			
1	material & description	quantity		unit cost	amount	-
	Elongated Water Closet,HGC American standard or equivalent with necessary fittings and accessories	6	set	/set	-	
	Countertop Lavatory,HGC American Standard or equivalent with faucet , necessary fittings and accessories	4	set	/set	-	
	Urinal , HGC American Standard or equivalent with complete accessories	4	set	/set	-	
	Stainless Pantry Sink Undermount, 20" x 25"with faucet and complete accessories	1	set	/set	-	
	stainless floor drain with insect proof and odor trap	10	set	/set	-	
	6mmx 0.70mx 1.00m frameless mirror with necessary mounting clips	4	sets	/set	-	

	consumables		lot	lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***unit/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***unit/manhour***		***days to complete***	
	minor tools		/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 Vault	**3**	**units**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	Round Type Plastic Septic Tank	3	units	/set	-	
	Sand	1.625	m³	/m³	-	
	Gravel	0.0375	m³	/m³	-	
	consumables	1	lot	lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***unit/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***unit/manhour***		***days to complete***	
	minor tools		/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 FINISHING					
a.	Ceiling - 4.5mm Fiber Cement Board on Metal Frame	**496.1**	**m²**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	**** First Floor*	*187.6*	*sq.m.*			
	4.5mm Fiber Cement Board	65	pc	/pc	-	
	0.5mm thk,Carrying Channel	58	pc	/pc	-	
	0.5mm thk.,Metal Furring	99	pc	/pc	-	
	0.5mm thck, Wall Angle	41	pc	/pc	-	
	Standard Rod Hanger and Rod Joiner	276	set	/pc	-	
	**** Second Floor*	*219.6*	*sq.m.*			
	4.5mm Fiber Cement Board	76	pc	/pc	-	
	0.5mm thk,Carrying Channel	66	pc	/pc	-	
	0.5mm thk.,Metal Furring	117	pc	/pc	-	
	0.5mm thck, Wall Angle	41	pc	/pc	-	
	Standard Rod Hanger and Rod Joiner	276	set	/pc	-	
	**** Eaves*	*92.40*	*sq.m.*			
	.5mm thick,6" Metal Spandrel Panel	546	ln.m.	/ln.m.	-	
	.5mm thick,6" perforated metal spandrel (*corners for vent*)	50	ln.m.	/set	-	
	consumables		lot	/lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***m²/manhour***		***days to complete***	
	H-Frame 1.7m x 1.2m, set		/day		-	
	minor tools		/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.	Doors	**46.01 m²**				
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	D-100,1.10m x 2.15m, Pre-fabricated Panel Door with Jamb, door knobs, hinges and other necessary hardwares (Lever-type door knob), with vision panel ****refer to plan*	4	sets	/set	-	
	D-101,1.10m x 2.15m, Pre-fabricated Panel Door Single Full Swing with Jamb,door knobs, hinges and other necessary hardware (Lever-type door knob)****refer to plan*	10	sets	/set	-	
	DFE,1.10m x 2.15m,Factory made Fire Exit Door with Panic Bar, Push Plate , complete accessories and hardware	2	sets	/set	-	
	D-102,1.10mx 1.90m, Flush Door with jamb, door knob, hinges and other necessary hardware	2	sets	/set	-	
	consumables		lot	lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***m²/manhour***		***days to complete***	
	minor tools		/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.	Aluminum Windows	**56.28 m²**				
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	W1, 2.80m x 1.50m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	8	sets	/set	-	
	W2, 1.50m x 0.80m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	4	sets	/set	-	
	W3, 0.60m x 1.30m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	7	sets	/set	-	
	W4, 2.80m x 0.60m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	2	sets	/set	-	
	W5, 1.50m x 0.60m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	2	sets	/set	-	
	W6, 0.70m x 0.60m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	2	sets	/set	-	
	W7, 2.80m x 0.60m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	2	sets	/set	-	
	W8, 1.00m x 0.60m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	6	sets	/set	-	
	W9, 2.80m x 1.50m, White Powder Coated Aluminum Framed window with 6mm thick glass, weatherproof,complete accessories and hardware	1	sets	/set	-	
	consumables		lot	lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***		***days to complete***	
	leadman		/day		-	
	skilled labor		/day		-	
	unskilled labor		/day		-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-

		output rate		m²/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*
f.	Painting Works	**2,208.30**	**m²**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	Skim coat	110	bags	/bag	-	
	Primer	88	gal.	/gal	-	
	(2 coats) Semi-gloss latex	176	gals	/gal	-	
	Red oxide primer	5	gals	/gal	-	
	Cementitious Waterproofing	115	gals	/gal	-	
	consumables	1	lot	lot	-	
2	*labor (surface preparation, paint application)*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate		m²/manhour	days to complete	
	leadman			/day	-	
	skilled labor			/day	-	
	unskilled labor			/day	-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate		m²/manhour	days to complete	
	H-Frame 1.7m x 1.2m, set			/day	-	
	minor tools			/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*
g.	Tileworks (Unglazed Tiles)	**597.72**	**m²**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	0.6mx 0.60m unglazed tiles, Granite Tiles	1452	pcs	/pc	-	
	(*cr floor*)0.4mx 0.40m unglazed tiles, Granite Tiles	222	pcs	/pc	-	
	(ramp) 0.40mx 0.40m non-skid tiles	246	pcs	/pc	-	
	cement	181	bags	/bag	-	
	sand	14.51	m³	/m³	-	
	tile grout	69	bags	/bag	-	
	Tile Adhesive (25kg)	78	bags	/bag	-	
	Consumables				-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate		m²/manhour	days to complete	
	leadman			/day	-	
	skilled labor			/day	-	
	unskilled labor			/day	-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate		kgs/unithour	days to complete	
	minor tools			/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*
h.	Tileworks (glazed Tiles)	**94.80**	**m²**			
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	0.40mx 0.40m , Granite Tiles	592	pcs	/pc	-	
	Granite slab	9.78	m²	/m²	-	
	cement	33	bags	/bag	-	
	sand	2.64	m³	/m³	-	
	Tile Grout	12	bags	/bag	-	
	Tile Adhesive (25kg)	14	bags	/bag	-	

	Consumables			-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***	***days to complete***	
	leadman		/day	-	
	skilled labor		/day	-	
	unskilled labor		/day	-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***kgs/unithour***	***days to complete***	
	minor tools		/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*
i.	Modular Partition	**30.56**	**m²**		
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	Compact Laminated Toilet Partition including fenestrations, necessary accessories and hardware	30.56	sq.m.	/sq.m.	-	
	Stainless Grab bar	4	sets	/set	-	
	consumables		lot	lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***	***days to complete***	
	leadman		/day	-	
	skilled labor		/day	-	
	unskilled labor		/day	-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***m²/manhour***	***days to complete***	
	minor tools		/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*
j.	Handrail and Guardrails, Stairs and Fire Escape Enclosure	**768**	**l.m.**		
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	1.2 mm x 50mm x 150mm tubular steel	5	pcs.	/pc	-	
	1.2 mm x 50mm x 100mm tubular steel	19	pcs.	/pc	-	
	1.2 mm x 50mm x 50 mm tubular steel	75	pcs.	/pc	-	
	1.2 mm x 25mm x 25 mm tubular steel	18	pcs.	/pc	-	
	1/4" x 2"x2" Angle Bar	9	pcs.	/pc	-	
	1/4" x 1"x1" Angle Bar	2	pcs.	/pc	-	
	8x6-1/2 x 28# I-Beam , Wide Flange	5	pcs.	/pc	-	
	Welding rod	25	kgs	/kgs	-	
	consumables		lot	lot	-	
2	*labor*	*no.*	*daily rate*	*no of days*	*amount*	-
		production rate	***m²/manhour***	***days to complete***	
	leadman		/day	-	
	skilled labor		/day	-	
	unskilled labor		/day	-	
3	*equipment (rental based on ACEL rates)*	*unit*	*daily rental*	*no of days*	*amount*	-
		output rate	***m²/manhour***	***days to complete***	
	Welding Machine		/day	-	
	minor tools		/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	24	sets		
1	*material & description*	*quantity*		*unit cost*	*amount*	-
	Hardwired Photoelectric Smoke Detector	12	sets	/set	-	

Fire Alarm Bell with switch manual pull station	4	sets	/set	-	
Luminous Fire Safety Signages	4	sets	/set	-	
10lbs Fire Extinguisher	4	sets	/set	-	
consumables					
2 labor	*no.*	*daily rate*	*no of days*	*amount*	-
	production rate	***set/manhour***		***days to complete***	
leadman		/day		-	
skilled labor		/day		-	
unskilled labor		/day		-	
3 equipment (rental based on ACEL rates)	*unit*	*daily rental*	*no of days*	*amount*	-
	output rate	***m²/manhour***		***days to complete***	
minor tools		/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:	