

LETTERHEAD

Project REPAIR OF CTE BUILDING
Owner Benguet State University
Location Km. 6, La Trinidad, Benguet

DETAILED ESTIMATES

A. CTE BUILDING									
I. GENERAL REQUIREMENTS and SITE WORKS									
a. Mobilization/Demobilization		1		lot					
1 labor		no.		daily rate				amount	
2 equipment (rental based on ACEL rates)		unit		daily rental		no of days		amount	-
				output rate		days to complete			
Truck (2-5 MT)		1		unit		1		-	
3 material & description		quantity		unit cost				amount	
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. Project Billboard		1		lot					
1 labor		no.		daily rate		no of days		amount	-
	***compliant to COA billboard requirement	production rate		-				days to complete	
	skilled labor			/day				-	
	unskilled labor			/day				-	
2 equipment (rental based on ACEL rates)		unit		daily rental		no of days		amount	-
		output rate		-				days to complete	
minor tools (10% of Labor Cost)								-	
3 material & description		quantity		unit cost				amount	-
	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				-	
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 labor		no.		daily rate		no of days		amount	-
		production rate		-				days to complete	
	Safety Officer			- /day				-	
2 equipment (rental based on ACEL rates)		unit		daily rental		no of days		amount	-
		output rate		-				days to complete	
minor tools (10% of Labor Cost)									
3 material & description		quantity		unit cost				amount	-
	Assorted warning and safety signages	1	lot	/lot				-	
	Canvass (for jobsite perimeter enclosure/fencing)	1	roll	/roll				-	
	vest	6	pcs.	/pc.				-	
	safety shoe/ boots	6	pcs.	/pc.				-	
	safety gloves	6	pcs.	/pc.				-	
	skull guard/ hard hat	6	pcs.	/pc.				-	
	safety harness	6	pcs.	/pc.				-	
	first aid kit	1	unit	/unit				-	

4 Total Direct Cost (1 + 2 + 3)				-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				-	
6 Contractor's Profit				-	
7 Tax				-	
8 Total Unit Cost (4 + 5 + 6 +7)				-	cost per item
d. Clearing, Grubbing and Cleaning					
		630	m²		
1 labor	no.	daily rate	no of days	amount	-
***demolition of existing masonry wall (first floor), for the provision of window	production rate	50.00		days to complete	
lead man		/day		-	
unskilled labor		/day		-	
2 equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	-
		output rate	-	days to complete	
minor tools (10% of Labor Cost)				-	
3 material & description	quantity	unit cost	amount	-	
4 Total Direct Cost (1 + 2 + 3)				-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				-	
6 Contractor's Profit				-	
7 Tax				-	
8 Total Unit Cost (4 + 5 + 6 +7)				-	cost per item
II. REINFORCED CONCRETE WORKS					
a. Gravel Bedding					
		5.27	m³		
1 labor -place	no.	daily rate	no of days	amount	-
	production rate	m²/manhour		days to complete	
lead man		/day		-	
unskilled labor		/day		-	
2 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)	1	/day		-	
minor tools (10% of Labor Cost)				-	
3 material & description	quantity	unit cost	amount	-	
Gravel Bedding - G1	5.27	m³	- /m³	-	
(1.05m³ per m² w/ 5% shrinkage)					
4 Total Direct Cost (1 + 2 + 3)				-	
5 OCM (OVERHEAD, CONTINGENCIES & MISCELLANEOUS EXPENSES)				-	
6 Contractor's Profit				-	
7 Tax				-	
8 Total Unit Cost (4 + 5 + 6 +7)				-	cost per item
b. Formworks and falsework					
		4.51	m²		
1 labor - fabricate, install & strip up to 5 storeys	no.	daily rate	no of days	amount	-
	production rate	4.5	m²/ manhour	days to complete	
install					
lead man		/day		-	
skilled labor		/day		-	
unskilled labor		/day		-	
stripping					
lead man		/day		-	
unskilled labor		/day		-	
2 equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	-
Area 205.01m²	output rate	m²/ 14days		days to complete	
H-Frame 1.7m x 1.2m, set	40	sets		-	
minor tools (10% of Labor Cost)				-	

3	material & description	quantity		unit cost		amount	-
	19mm x 1.2m x 2.4m Phenolic Board (5 uses)	2		/pc			
	Good Lumber (3 uses)	1.56		/bd.ft.			
	consumables (5% of Material 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	

c.	Steel Works	335.19		kgs.			
	***sidewalk						
1	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		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		kgs/unithour		days to complete	
	bar cutter	1		/day		-	
	bar bender	1		/day		-	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	12mm dia, RSB grade 33	335.19	kgs.	/kgs.		-	
	#16 Galvanized Iron Wire	5.00	kgs.	/kgs.		-	
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	5.27		m³			
	*** Sidewalk						
1	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	
	lead man			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m³/unithour		days to complete	
	One bagger mixer	1		/day		-	
	Concrete Vibrator	1		/day		-	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	cement	48	bag	/pc		-	
	sand	0.26	cu.m.	/cu.m.		-	
	gravel	0.53	cu.m.	/cu.m.		-	
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. MASONRY WORKS							
a.	CHB Laying	46.16		m²			
1	labor	no.	daily rate		no of days	amount	-

		production rate		m ² /manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	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)					-	
3	material & description	quantity		unit cost		amount	-
	(Available on site) 100mm thk. CHB	577	pcs.	-	/pc.	-	
	(Available on site) cement	24	bags	-	/bag	-	
	sand	1.85	m ³	-	/m ³	-	
	(Available on site) 10mm dia reinforcing steel	149.55	kgs.	-	/kgs.	-	
	#16 G.I. tie wire	2.30	kgs.	-	/kgs.	-	
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		92.31	m ²				
1	labor	no.	daily rate		no of days	amount	-
		production rate		m ² /manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ² /unithour		days to complete	
	H-Frame 1.7m x 1.2m, set	1		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
3	material & description	quantity		unit cost		amount	-
	cement	28	bags		/bag	-	
	sand	2.31	m ³		/m ³	-	
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. ELECTRICAL WORKS							
a. Conduits and boxes		25	pcs.				
1	labor	no.	daily rate		no of days	amount	-
	***Instalaltion of PVC Conduit pipe						-
		production rate		lm/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
	***Installation of boxes	74					-
		production rate		pc/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-
	(Available on site) 20mmØ x 3 m PVC Conduit Pipe	91	pcs.		/pc.	-	

	(Available on site) 25mmØ x 3 m PVC Conduit Pipe	127	pcs.		/pc.	-	
	(Available on site) Locknuts and bushing, 20mm	42	pcs.		/pc.	-	
	(Available on site) Locknuts and bushing, 25mm	30	pcs.		/pc.	-	
	(Available on site) Utility Box, Gauge #16, deep type	36	pcs.		/pc.	-	
	(Available on site) Junction box, pvc deep type	13	pcs.		/pc.	-	
	(Additional) Junction box, pvc deep type	25	pcs.		/pc.	-	
	Conduit connectors/fitings	1	lot		/pc		
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 6 sets							
1	labor	no.	daily rate		no of days	amount	-
	***Installation of wires						-
		production rate		lm/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
	***Installation of switches	20					-
		production rate		set/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-
	(Available on site) # 14 THHN Stranded Wire	3	boxes	-	/box	-	
	(Available on site) # 12 THHN Stranded Wire	2	boxes	-	/box	-	
	(Additional) 1-gang switch element	6	pcs		/pc	-	
	(Available on site) 2-gang switch element	6	pcs	-	/pc	-	
	(Available on site) Three- way Switch	2	pcs	-	/pc	-	
	(Available on site) Duplex Convenience Outlet, Heavy Duty	36	pcs	-	/pc	-	
	(Available on site) Circuit Breaker,15 AMP	35	pcs	-	/pc	-	
	(Available on site) Circuit Breaker,20 AMP	38	pcs	-	/pc	-	
	Electrical tape (big)	3	roll		/roll	-	
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 2 sets							
1	labor	no.	daily rate		no of days	amount	-
		production rate		set/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-
	(Available on site) 2 x 36 watts T8 LED tubes with housing and diffuser	29	sets		/set	-	

	(Available on site) LED Light , Surface type, 6" Ø	6	sets	-	/set	-	
	(Available on site) LED Emergency light	1	sets	-	/set	-	
	(Additional) 2 x 36 watts T8 LED tubes with housing and diffuser	2	sets		/set	-	
	consumables (3% of Material 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.	Panel Board/ Boxes/breakers	2	sets				
1	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				
2	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				
3	material & description	quantity	unit cost	amount	-		
	(Available on Site) Panel Board 10 holes, 60 @ 100 AF, 230 V @32mm diameter, RSC Pipe 300At,2p	1	set	-	/set	-	
	(Available on Site) Circuit breakers element (60 amp, best quality)	1	unit	-	/unit	-	
	(Available on Site) Circuit breakers element (20 amp, best quality)	36	units	-	/unit	-	
	(Available on Site) Circuit breaker element (15 amp, best quality)	34	units	-	/unit	-	
	(Additional) Circuit breaker element (15 amp, best quality)	2	pcs		/unit	-	
	consumables (3% of material 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
e.	Auxilliary and Miscellaneous Item	3	sets				
1	labor	no.	daily rate	no of days	amount	-	
	***Installation of duct pipe	10	lm			-	
		production rate	lm/manhour		days to complete		
	leadman		/day		-		
	skilled labor		/day		-		
	unskilled labor		/day		-		
	***Installation of exhaust fans	5				-	
		production rate	set/manhour		days to complete		
	skilled labor		/day		-		
	unskilled labor		/day		-		
2	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		-		
3	material & description	quantity	unit cost	amount	-		
	29cm x 29 cm Ceiling Mounted Exhaust Fan	3	sets		/set	-	
	duct pipe	10	lm		/lm	-	
	consumables (3% of Material 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. PLUMBING WORKS							
a. Pipe Lines		9		lm.			
1	labor	no.	daily rate		no of days	amount	-
	***installation of pipe lines	production rate		lm/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
	***excavation for drainage	production rate	20	cu.m./manhour			
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	
	(Available on site) 4"Ø PVC Pipe , S-1000	7	pcs	-	/pc	-	
	(Available on site) 2"Ø PVC Pipe , S-1000	5	pcs	-	/pc	-	
	(Available on site) G.I. Pipe ,1" Ø schedule 40	10	pcs	-	/pc	-	
	(Available on site) G.I. Pipe ,1/2" Ø schedule 40	4	pcs	-	/pc	-	
	(Additional) 4"Ø PVC Pipe , S-1000	3	pcs		/pc	-	
	assorted fittings	1	lot		/lot	-	
	consumables (5% of material cost)		lot		/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. Plumbing Fixtures		1		set			
1	labor	no.	daily rate		no of days	amount	-
		production rate		unit/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	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			
3	material & description	quantity		unit cost		amount	
	(Available on Site) Water Closet including fittings and accessories (elongated) American Standard or Equivalent	3	sets		/set	-	
	(Available on Site) Lavatory including fittings and accessories (elongated) American Standard or Equivalent	4	sets		/set	-	
	(Available on Site) Urinal including fittings and accessories (elongated) American Standard or Equivalent	3	sets		/set	-	
	Single Tub with drain board, Stainless Steel Kitchen Sink including fittings and accessories	1	sets		/set		
	consumables (3% of material cost)		lot		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
c. Septic Vault		1		unit			
1	labor	no.	daily rate		no of days	amount	

	*** Excavation	17.136					-
		production rate	20	cu.m./manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Steel Works	317.21	kgs				-
		production rate	129.094	kgs/manhour		days to complete	
	lead man		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Formworks	9.84	sq.m.				-
		production rate		m ² / manhour		days to complete	
	install						
	lead man		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	stripping						
	lead man		-	/day		-	
	unskilled labor		-	/day		-	
	***Concrete works						-
	mix, place & cure						
	Footing	1.512					
	Column Stump	2.436					
	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		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** CHB Laying	22.4					-
		production rate		m ² /manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ³ /unithour		days to complete	
	1 bagger mixer	1		/day		-	
	Concrete Vibrator	1		/day		-	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	19mm x 1.2m x 2.4m Phenolic Board (5 uses)	4	pcs.		/pc.	-	
	Good Lumber (3 uses)	46.51	bd.ft.		/bd.ft.	-	
	(Available on Site) 4" CHB	280	pcs.		/pc.	-	
	cement	26	bags		/bag	-	
	sand	1.584	cu.m.		/cu.m.	-	
	3/4" gravel	3.168	cu.m.		/cu.m.	-	
	16 mm dia. RSB x 6 m, grade 40	104.16	kgs.		/kgs.	-	
	12 mm dia. RSB x 6 m, grade 33	213.05	kgs.		/kgs.	-	
	4" pvc pipe	1	pcs.		/pc.	-	
	#16 G.I. tie wire	4	kgs.		/kg.	-	
	consumables (5% of material 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
d.	Storm Drainage	80	lm.			
1	labor	no.	daily rate		no of days	amount
	***excavation for drainage					-
		production rate		cu.m./manhour	days to complete	
	leadman		-	/day	-	
	skilled labor		-	/day	-	
	unskilled labor		-	/day	-	
	***concrete pouring	3.519	cu.m.			-
		production rate		cu.m./manhour	days to complete	
	leadman		-	/day	-	
	skilled labor		-	/day	-	
	unskilled labor		-	/day	-	
	***installation of pipe lines	27	lm			-
		production rate		lm/manhour	days to complete	
	leadman		-	/day	-	
	skilled labor		-	/day	-	
	unskilled labor		-	/day	-	
	***fabrication of steel gratings	263.88	kgs			-
		production rate		kgs/manhour	days to complete	
	leadman		-	/day	-	
	skilled labor		-	/day	-	
	unskilled labor		-	/day	-	
2	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	-	
3	material & description	quantity		unit cost		amount
	cement	32	bag	/pc	-	
	sand	1.94	cu.m.	/pc	-	
	gravel	3.87	cu.m.	/pc	-	
	#16 G.I. tie wire	4	kgs.	/kg.	-	
	*** Steel Grating					
	10mm dia Round Bar	16	pcs.	/pc	-	
	1/4" x 1 1/2" x 1 1/2" x 6mAngle Bar	17	pcs.	/pc	-	
	Welding rod	30	kgs	/kg	-	
	8" Black Pipe	9	pcs	/pc	-	
	assorted fittings	1	lot	/lot	-	
	consumables (5% of material cost)		lot	/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

VI. ARCHITECTURAL FINISHINGS						
a.	Ceiling - 1/4" Plyboard on metal frame	8.78	m²			
	***Includes 0.70m x 0.70m ceiling manhole cover and moulding					
1	labor	no.	daily rate		no of days	amount
		production rate		m²/manhour	days to complete	
	leadman		-	/day	-	
	skilled labor		-	/day	-	
	unskilled labor		-	/day	-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount
						-

		output rate		m ² /manhour		days to complete	
	H-Frame 1.7m x 1.2m, set	6		/day	0.00	-	
	minor tools (10% of Labor Cost)			/day		-	
3	material & description	quantity		unit cost		amount	-
	(Available on Site) 1/2" thick x 4' x 8' , Marine Plywood	133	pc		/pc	-	
(Available on Site)	12 mm x 38 mm x 5 m x 0.8 mm thick, Carrying Channel	79	pc		/pc	-	
(Available on Site)	19 mm x 50 mm x 5 m x 0.5 mm thick, Double Furring	148	pc		/pc	-	
(Available on Site)	25 mm x 25 mm x 3 m x 0.5 mm thick, Wall Angle	31	pc		/pc	-	
	(Available on Site) Double furring clip	350	pcs		/pc	-	
	(Additional) 1/4" thick x 4' x 8' , Marine Plywood	3	pc		/pc	-	
	(Additional) 12 mm x 38 mm x 5 m x 0.8 mm thick, Carrying Channel	10	pc		/pc	-	
	(Additional) 19 mm x 50 mm x 5 m x 0.5 mm thick, Double Furring	15	pc		/pc	-	
	(Additional) Double furring clip	20	pcs		/pc	-	
	consumables (5% of material cost)		lot		/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.	Painting Works (Primer Only)		583.48	m ²			
1	labor	no.	daily rate		no of days	amount	-
	*** surface preparation and paint application, primer only	production rate		m ² /manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ² /manhour		days to complete	
	H-Frame 1.7m x 1.2m, set	6		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
3	material & description	quantity		unit cost		amount	-
	Acrylic Skimcoat	17	gals.		/gal	-	
	Primer (Flat Latex)	30	gals.		/gal	-	
	Putty (Spot)	13	gals.		/gal	-	
	Paint thinner	4	gals.		/gal	-	
	4" paint brush	4	pcs		/pc	-	
	9" roller handle with pan	4	pcs		/pc	-	
	9" roller foam	4	pcs		/pc	-	
	#100 sand paper	30	pcs		/pc	-	
	#120 sand paper	60	pcs		/pc	-	
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.	Tile Works (Unglazed)		198.02	m ²			
1	labor	no.	daily rate		no of days	amount	
		production rate		m ² /manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-

	0.6mx 0.60m unglazed tiles, ceramic Tiles	510	pcs		/pc	-	
	0.40mx 0.40m (unglazed)	95	pcs		/pc	-	
	cement	64	bags		/bag	-	
	sand	5.14	m³		/m³	-	
	tile grout	24.75	bags		/bag	-	
	Tile Adhesive (25kg)	28	bags		/bag	-	
	Consumables 3% of Material 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. Tile Works (Glazed) 28.08 m²							
1	labor	no.	daily rate		no of days	amount	-
		production rate		m ²/manhour		days to complete	
	leadman		/day			-	
	skilled labor		/day			-	
	unskilled labor		/day			-	
2	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			-	
3	material & description	quantity		unit cost		amount	-
	0.40mx 0.40m (glazed)	176	pcs		/pc	-	
	cement	10	bags		/bag	-	
	sand	0.07	m³		/m³	-	
	tile grout	4	bags		/bag	-	
	Tile Adhesive (25kg)	4	bags		/bag	-	
	Consumables 3% of Material 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. Aluminum Doors 33.24 m²							
1	labor	no.	daily rate		no of days	amount	
	***Removal of existing steel door		m²				
		production rate		m²/manhour		days to complete	
	leadman	1	-	/day		-	
	skilled labor	1	-	/day		-	
	unskilled labor	2	-	/day		-	
	***Installation of Aluminum Doors	33.24	m²				
		production rate		m²/manhour		days to complete	
	leadman	1	-	/day		-	
	skilled labor	1	-	/day		-	
	unskilled labor	2	-	/day		-	
2	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			-	
3	material & description	quantity		unit cost		amount	-
	D1.2 White Powder Coated Aluminum Framed door with 6mm glass (2.562 sq.m.)	1	set		/set	-	
	D1 White Powder Coated Aluminum Framed door with 6mm glass (2.10 sq.m.)	4	sets		/set	-	
	D1- W9 White Powder Coated Aluminum Framed with 6mm glass (7.29 sq.m.)	2	sets		/set	-	
	D1 -W11 White Powder Coated Aluminum Framed door with 6mm glass (8.259 sq.m.)	3	sets		/set	-	

	D2 White Powder Coated Aluminum Framed door with 6mm glass (8.248 sq.m.)	4	sets		/set	-	
	D2 -W8 White Powder Coated Aluminum Framed with 6mm glass (7.343 sq.m.)	1	set		/set	-	
	consumables (5% of material cost)		lot		/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
f.	Aluminum Windows	189.69	m²				
1	labor	no.	daily rate		no of days	amount	-
	*** Fabrication and installation		m²				-
		production rate		m²/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
	*** Removal of existing windows to be repaired	9.86	m²				
		production rate		m²/manhour		days to complete	-
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-
	W1 White Powder Coated Aluminum Framed with 6mm clear glass (7.29 sq.m.)	2	sets		/set	-	
	W2 White Powder Coated Aluminum Framed Window with 6mm clear glass (7.305 sq.m.)	1	set		/set	-	
	W3 White Powder Coated Aluminum Framed Window with 6mm clear glass (7.292 sq.m.)	2	sets		/set	-	
	W4 White Powder Coated Aluminum Framed Window with 6mm clear glass (7.805 sq.m.)	2	sets		/set	-	
	W5 White Powder Coated Aluminum Framed Window with 6mm clear glass (5.005 sq.m.)	1	set		/set	-	
	W6 White Powder Coated Aluminum Framed Window with 6mm clear glass (0.96 sq.m.)	3	sets		/set	-	
	W7 White Powder Coated Aluminum Framed with 6mm clear glass (0.414 sq.m.)	1	set		/set	-	
	Hollow Core Flush Door Transom- Lactation Room (0.45sq.m.)	1	set		/set	-	
	*** Repair of existing Window (laboratory and lecture room-second floor)	6	sets		/set	-	
	***Repair of Existing window (Corridor)	2	sets		/set	-	
	consumables (5% of material cost)		lot		/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
g.	Aluminum Glass Partition	17.45	m²				
1	labor	no.	daily rate		no of days	amount	-
	*** Fabrication and installation						
		production rate		m²/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	

	unskilled labor			/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-
	White Powder Coated Aluminum Framed Glass partition with 6mm smoked glass (17.4514 sq.m.)	17.4514	sq.m.		/sq.m.	-	
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. Hollow Core Flush Door 10.2 m²							
1	labor	no.	daily rate		no of days	amount	-
		production rate		m²/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	-
	Hollow Core Flush Door	4	sets		/set	-	
	consumables (5% of material cost)		lot		/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

i. Drywall Partition 30.94 m²							
	***Virtual Room, Laboratory and Lecture Room						
1	labor	no.	daily rate		no of days	amount	
		production rate		m²/manhour		days to complete	
	leadman			/day		-	
	skilled labor			/day		-	
	unskilled labor			/day		-	
2	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		-	
3	material & description	quantity		unit cost		amount	
	32mm x 64 mmx .8mm thick Metal Studs	17	pc.		/pc	-	
	32mm x 76mm x .8mm thick Metal Track	15	pc.		/pc	-	
	1/2 thick x 4'x 8' Gypsum Board	11	pc.		/pc	-	
	1" Gypsum Screw, (500pcs)	2	boxes		/box	-	
	Rock wool blanket type, 2' x 5m, Fire resistant,Heat insulating,Non-combustible,Moisture and water repellent,Sound absorbing,Sound proofing	5	roll		/roll	-	
	Acoustical Fabric	26.29	yard		/yd	-	
	consumables (5% of Material 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

j.	Building Signage	27	units				
1	labor	no.	daily rate	no of days	amount	-	
		production rate	units/manhour		days to complete		
	leadman	-	/day		-		
	skilled labor	-	/day		-		
	unskilled labor	-	/day		-		
2	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		-		
3	material & description	quantity	unit cost	amount	-		
	Stainless Steel Letterings (14" height)	25	pc	/pc	-		
	Logo (16" diameter)	2	pc	/pc	-		
	1/4" x 2" x 2" x 6m Angle bar	7	pcs	/pc	-		
	1/4" x 1 1/2 " x 1 1/2 " x 6m Angle bar	6	pcs	/pc	-		
	1 1/2" Concrete Screw	20	pcs	/pc	-		
	Welding rod	20	kgs	/kg	-		
	consumables (5% of material cost)		lot	/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	
VII.	FIRE SAFETY	4	sets				
1	labor	no.	daily rate	no of days	amount	-	
		production rate	set/manhour		days to complete		
	leadman		/day		-		
	skilled labor		/day		-		
	unskilled labor		/day		-		
2	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		-		
3	material & description	quantity	unit cost	amount	-		
	Fire Safety Signages	2	sets	/set	-		
	10lbs Fire Extinguisher	2	sets	/set	-		
	consumables (3% of material 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. CTE PAVILION							
I. SITE WORKS							
a.	Structural Excavation - common earth	8.316	m ³				
1	labor	no.	daily rate	no of days	amount	-	
		production rate	m ³ /manhour		days to complete		
	lead man	-	/day		-		
	skilled labor	-	/day		-		
	unskilled labor	-	/day		-		
2	equipment (rental based on ACEL rates)	unit	daily rental	no of days	amount	-	
		output rate	m ³ /manhour		days to complete		
	Jack hammer	1	/day		-		
	dumptruck, (12yd ³)	1	/day		-		

	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
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. Embankment from Structure Excavation 8.316 m³							
1	labor	no.	daily rate		no of days	amount	-
		production rate		m³/manhour		days to complete	
	lead man		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m³/manhour		days to complete	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
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. REINFORCED CONCRETE WORKS							
a. Gravel Bedding 0.50 m³							
1	labor -place	no.	daily rate		no of days	amount	-
		production rate		m²/manhour		days to complete	
	lead man		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m³/unithour		days to complete	
	plate compactor (0.50hr / 1.20m³)	1		/day		-	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	Gravel Bedding - G1	0.50	m³		/m³	-	
	(1.05m³ per m² w/ 5% shrinkage)						
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 1,078.43 kgs.							
1	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		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		kgs/unithour		days to complete	
	bar cutter	1		/day		-	
	bar bender	1		/day		-	

	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	16mm dia RSB, grade 60	246.19	kgs.		/kgs.	-	
	10mm dia, RSB grade 33	832.24	kgs.		/kgs.	-	
	#16 Galvanized Iron Wire	20.00	kgs.		/kgs.	-	
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 and falsework 29.57 m²							
1	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		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	stripping						
	lead man		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ³/ 14days		days to complete	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	19mm x 1.2m x 2.4m Phenolic Board (5 uses)	10			/pc	-	
	Good Lumber (3 uses)	139.67			/bd.ft.	-	
	consumables (5% of Material 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. Concrete Works 25.34 m³							
1	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		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ³/unit hour		days to complete	
	One bagger mixer	1	-	/day		-	
	Concrete Vibrator	1	-	/day		-	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	(structural concrete Class AA, 3000psi @ 28days)						
	Cement	228	bags	-	/bag	-	
	Sand	14.45	cu.m.	-	/cu.m.	-	
	3/4" gravel	55.12	cu.m.	-	/cu.m.	-	
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.	Structural Steel Framing	149.97	kgs				
1	labor - installation	no.	daily rate		no of days	amount	-
		production rate		kgs/manhour		days to complete	
	lead man		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m³/unit hour		days to complete	
	Cutting outfit	1		/day		-	
	minor tools (10% of Labor Cost)					-	
3	material & description	quantity		unit cost		amount	-
	4" ØG.I. pipe,schedule 40	10	pcs		/pc	-	
	consumables (5% of Material 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	240.24	kgs.				
1	labor - fabrication, assembly & erection	no.	daily rate		no of days	amount	
	***Structural Steel framing	240.24				-	
		production rate		kgs/manhour		days to complete	
	fabrication and assembly						
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	erection and installation			set/manhour			
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Metal Structure Accessories (sagrods)	10				-	
		production rate		pc/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Metal Structure Accessories (Tumbuckle)	24				-	
		production rate		pc/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Metal Structure Accessories (Crossbracing)	19				-	
		production rate		kg/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	***Metal Structure Accessories (Anchor Bolt)	56				-	
		production rate		pc/manhour		days to complete	
	leadman		-	/day		-	

	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	***Metal Structure Accessories (Steel plates)	114.92					-
		production rate		kgs/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Structural Steel Purlins	64					-
		production rate		kg/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		kgs/unithour		days to complete	
	welding machine	1		/day		-	
	Cutting outfit	1		/day		-	
	minor tools (10% of Labor Cost)			lot		-	
3	material & description	quantity		unit cost		amount	-
	1.2mm thickx 50mm x 75mm C-Purlins	64	pcs		/pc	-	
	1.5mm thick x 50 mm x 150 mm x 6m, Tubular Steel	11	pcs		/pc	-	
	16mm dia. turnbuckle	24	pcs		/pc	-	
	16mm dia. plain bar cross bracing	19	pcs		/pc	-	
	16mm dia. plain bar sag rod	10	pcs		/pc	-	
	M16x 130mm Anchor Bolts,nuts and washers, wedge type	56	pcs		/pc	-	
	Milled Steel plate, 4'x8'x 10mm thick	1	pcs		/pc	-	
	acetylene	2.64	kgs.		/kgs.	-	
	oxygen	5.29	kgs.		/kgs.	-	
	welding rod	4.80	kgs.		/kgs.	-	
	consumables (5% of Material 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 77.00 m²							
1	labor (cut, installation)	no.	daily rate		no of days	amount	
							-
		production rate		m ²/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	***Fabricated Metal Accessories (Ridge Roll, Flashing, Fascia)	317					-
		production rate		m/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	***Fabricated PVC Accessories (Gutter)	22.4	lm				-
	***box type gutter	production rate		m/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-
		output rate		m ²/unithour		days to complete	
	H-Frame 1.7m x 1.2m, set	20		/day		-	

	power tools (10% of Labor Cost)	1		/day		-	
	minor tools (10% of Labor Cost)	1		/day		-	
3	material & description	quantity		unit cost		amount	-
	10mm thick x 4'x 8' twin wall, Polycarbonate Sheet,	74	pcs.		/pc.	-	
	PVC Gutter 12x 4x 8',	10	pcs.		/pc.	-	
	Gutter Cap end right	1	pcs.		/pc.	-	
	Gutter Cap end left	1	pcs.		/pc.	-	
	Dopper Outlet	7	pcs.		/pc.	-	
	Gutter Ex Bracket	10	pcs.		/pc.	-	
	12" x 8' fascia board	19	pcs.		/pc.	-	
	1-1/2" Tex screw	450	pcs.		/pc.	-	
	3/4" Blind Rivets	4	boxes		/box	-	
	consumables (5% of Material 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
c.	Painting Works	268.00	m²				
1	labor	no.	daily rate		no of days	amount	-
	*** surface preparation and paint application	production rate		m²/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	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	6		/day		-	
	minor tools (10% of Labor Cost)			/day		-	
3	material & description	quantity		unit cost		amount	-
	Primer(Red-oxide)	6	gals.		/gal	-	
	Paint thinner	5	gals.		/gal	-	
	4" paint brush	6	pcs		/pc	-	
	9" roller handle with pan	4	pcs		/pc	-	
	9" roller foam	4	pcs		/pc	-	
	#100 sand paper	30	pcs		/pc	-	
	#120 sand paper	60	pcs		/pc	-	
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. PLUMBING WORKS							
a.	Pipelines	81	lm				
1	labor	no.	daily rate		no of days	amount	-
	*** Excavation	2.9					-
		production rate		m²/manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
	*** Laying of drainage pipes	81					-
		production rate		l.m./manhour		days to complete	
	leadman		-	/day		-	
	skilled labor		-	/day		-	
	unskilled labor		-	/day		-	
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-

		output rate			I.m./manhour		days to complete	
	minor tools (10% of Labor Cost)				/day		-	
3	material & description	quantity		unit cost		amount	-	
	8"Ø black pvc pipe	11	pcs.		/pc.	-		
	PVC Downspout, 2.5"x4"x 4'	20	pcs.		/pc.	-		
	Downspout connector, 2.5"x4"	7	pcs.		/pc.	-		
	Clamp 2.5" x 4"	49	pcs.		/pc.	-		
	Elbow 90 deg 2.5" x 4"	7	pcs.		/pc.	-		
	Elbow 100 deg 2.5" x 4"	7	pcs.		/pc.	-		
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.	Catch Basin	7	units					
1	labor	no.	daily rate		no of days	amount	-	
	*** Excavation	1.4					-	
		production rate		cu.m./manhour		days to complete		
	leadman		-	/day		-		
	skilled labor		-	/day		-		
	unskilled labor		-	/day		-		
	*** Installation of Catch Basin	7.00	set				-	
		production rate		set/manhour		days to complete		
	lead man		-	/day		-		
	skilled labor		-	/day		-		
	unskilled labor		-	/day		-		
2	equipment (rental based on ACEL rates)	unit	daily rental		no of days	amount	-	
	minor tools (10% of Labor Cost)					-		
3	material & description	quantity		unit cost		amount	-	
	Plastic catch basin (355mm x 400mm x 460mm)	7	units		/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	
					TOTAL AMOUNT			

I hereby submit the foregoing bid; and that I unserstood the terms and conditions of the contract.

NAME OF BIDDER/ CONTRACTOR

Position

NAME OF CONSTRUCTION FIRM/ COMPANY

Date:_____