



BATAAN PENINSULA STATE UNIVERSITY

Technical Working Group for  
Infrastructure Projects  
BPSU Main Campus, Capitol Compound

Bill of Quantities : Completion of Organic Agriculture Research and Development Facility at Abucay Campus

Location : Bataan Peninsula State University, Abucay Campus

DETAILED ESTIMATES

ITEM OF WORK		UNIT	QNTY.	UNIT COST	AMOUNT
A. PERIMETER PATHWALK (CONCRETE PATHWALK & WALL FOOTING)					
I. Direct Cost					
Earthworks		lot			
			sub-total		
(For Wall Footing)					
Total Wall Area: 12.735 sq.m.					
a. Materials:					
Portland Cement		bags			
Wash Sand		cu.m.			
Gravel		cu.m.			
6" Concrete Hollow Blocks		pcs			
10mm dia. Reinf. Bar		kg			
12mm dia. Reinf. Bar		kg			
#16 Tie Wire		kg			
Hardwares		lot			
			sub-total		
Concrete Pathwalk Total Area: 60sq.m					
Slab @ 3000 psi		cu.m			
10mm dia. Reinf. Bar		kg			
			sub-total		
c. Labor Cost:					
Project Engineer/ Architect		days			
Foreman		days			
Skilled		days			
Labor		days			
			sub-total		
			Total Direct Cost:		0.00
II. Indirect Cost					
O.C.M (6%) =	0.00				
Profit (10%) =	0.00				
VAT (7%) =	0.00				
Total Indirect Cost:	0.00				
			TOTAL COST		0.00
B. TILING WORKS					
I. Direct Cost					
Total Tiling Area: 15.9sq.m.					
a. Materials:					
6mm x 300mm x 600mm Ceramic Vitrified Tiles (Non-Skid)		pcs			
(120 sq.m) 1.5mm x 150mm x 900mm vinyl tiles		pcs			
Tile Adhesive (Floor Tiles)		m <sup>2</sup>			
Tile Adhesive (Vinyl Tiles)		m <sup>2</sup>			
Tile Grout		m <sup>2</sup>			
Hardwares		lot			
			sub-total		
b. Equipments:					
2 Grinder/ Cutter		days			
2 Driller		days			
			sub-total		
c. Labor Cost:					
1 Project Engineer/ Architect		days			
1 Foreman		days			
2 Tile Setter		days			
4 Labor		days			
			sub-total		
			Total Direct Cost:		0.00
II. Indirect Cost					
O.C.M (6%) =	0.00				

	Profit (10%)	=	0.00				
	VAT (7%)	=	0.00				
	<b>Total Indirect Cost:</b>		<b>0.00</b>				
				<b>TOTAL COST</b>		<b>0.00</b>	
<b>C. INSTALLATION WORKS (FLOORING JOISTS, RAFTERS AND CANOPY)</b>							
I.	<i>Direct Cost</i>						
	Flooring Total Area: <b>160.46</b> sq.m.						
	a. Materials:						
	3/4" thick Marine Plywood	pcs					
	12mm dia. Expansion Bolt	pcs					
	16mm dia. Anchor Bolt	pcs					
	3"x3"x 1/4" thk.x 6m Angle Bar	pcs					
	2"x2"x 1/4" thk.x 6m Angle Bar (R1)	pcs					
	2"x2"x 3/16" thk.x 6m Angle Bar (R2)	pcs					
	Welding Rod	box					
	Miscellaneous	lot					
				sub-total			
	<i>For Canopy</i>						
	a. Materials:						
	1" Fibercement Slab 25mmx300mmx3m	pcs					
	1.5mm thk. x 25mm x 25mm x 6m Tubular Bar	pcs					
	Bolt and Nut Set	pcs					
	Welding Rod	box					
	Miscellaneous	lot					
	<i>Painting For Canopy</i>						
	a. Materials:						
	Primer	gal					
	Full Putty	gal					
	Top Coat	gal					
	Reducer	gal					
	hardwares	lot					
				sub-total			
	b. Equipment Cost						
	Chipping Gun	days					
	Welding Machine	days					
	Grinder/Cutter	days					
				sub-total		0.00	
	b. Labor Cost:						
	Project Engineer/ Architect	days					
	Foreman	days					
	Skilled	days					
	Labor	days					
				sub-total			
				<b>Total Direct Cost:</b>		<b>0.00</b>	
II.	<i>Indirect Cost</i>						
	O.C.M (6%)	=	0.00				
	Profit (10%)	=	0.00				
	VAT (7%)	=	0.00				
	<b>Total Indirect Cost:</b>		<b>0.00</b>				
				<b>TOTAL COST</b>		<b>0.00</b>	
<b>D. DOORS AND WINDOWS</b>							
I.	<i>Direct Cost</i>						
	a. Materials:						
	D1-Single Leaf Steel Door with hinges, mortise lock,	pcs					
	W1-uPvc Sliding Window Pre-painted	sq.ft					
	W2-uPvc Awning Window Pre-painted	sq.ft					
				sub-total			
				<b>Total Direct Cost:</b>		<b>0.00</b>	
II.	<i>Indirect Cost</i>						
	O.C.M (6%)	=	0.00				
	Profit (10%)	=	0.00				
	VAT (7%)	=	0.00				
	<b>Total Indirect Cost:</b>		<b>0.00</b>				
				<b>TOTAL COST</b>		<b>0.00</b>	
<b>E.CEILING WORKS</b>							
I.	<i>Direct Cost</i>						
	a. Materials:						

	Ceiling Total Area: <b>120.26</b> sq.m.				
	Installation of Ceiling (Fiber Cement Board in Metal Furring)	sq.m			
	Ceiling Painting Works	sq.m			
	Hardware	lot			
			sub-total		
	c. Labor Cost:				
1	Project Engineer/ Architect	days			
1	Foreman	days			
2	Skilled	days			
2	Labor	days			
			sub-total		
		Total Direct Cost:		0.00	
II.	Indirect Cost				
	O.C.M (6%) = 0.00				
	Profit (10%) = 0.00				
	VAT (7%) = 0.00				
	Total Indirect Cost: 0.00				
		TOTAL COST		0.00	
F.ELECTRICAL WORKS					
I.	Direct Cost				
	a. Materials:				
	6w Pin Light MR16 Socket Round Recessed Type	pcs			
	LED Linear Light 1200mm x 50mm Recessed Type	pcs			
	2.0 mm² THHN (150m)	box			
	3.5 mm² THHN (150m)	box			
	Utility Box	pc			
	Junction Box	pc			
	One gang, Single Pole with Cover	pc			
	Two gang, Single Pole with Cover	pc			
	20mmØ PVC Pipe 12ft.	pc			
	Hardware	lot			
			sub-total		0.00
	c. Labor Cost:				
	Project Engineer/ Architect	days			
	Foreman	days			
	Electrician	days			
	Labor	days			
			sub-total		
		Total Direct Cost:		0.00	
II.	Indirect Cost				
	O.C.M (6%) = 0.00				
	Profit (10%) = 0.00				
	VAT (7%) = 0.00				
	Total Indirect Cost: 0.00				
		TOTAL COST		0.00	
G. PAINTING WORKS					
I.	Direct Cost				
	Total Wall Area: <b>651.79</b> sq.m.				
	a. Materials:				
	Primer	gal			
	Full Putty	gal			
	Top Coat	gal			
	Reducer	gal			
	hardwares	lot			
			sub-total		
	PAINTING FOR METAL				
	Primer	gal			
	Top Coat	gal			
	Reducer	gal			
	hardwares	lot			
			sub-total		
	b. Equipments:				
	Scaffoldings	lot			
			sub-total		
	c. Labor Cost:				

	Project Engineer/ Architect	days			
	Foreman	days			
	Painter	days			
	Labor	days			
			sub-total		
		Total Direct Cost:			0.00
II.	Indirect Cost				
	O.C.M (6%)	= 0.00			
	Profit (10%)	= 0.00			
	VAT (7%)	= 0.00			
	Total Indirect Cost:	0.00			
		TOTAL COST			0.00
TOTAL CONSTRUCTION COST:					0.00

PREPARED BY: