



BATAAN PENINSULA STATE UNIVERSITY

Technical Working Group for

Infrastructure Projects

BPSU Main Campus, Capitol Compound

City of Balanga 2100 Bataan, PHILIPPINES

PROJECT TITLE: REFURBISHMENT OF CHEMISTRY LECTURE ROOM AT MAIN CAMPUS

LOCATION: BATAAN PENINSULA STATE UNIVERSITY, MAIN CAMPUS

SUMMARY

<u>ITEM OF WORK</u>		<u>QTY.</u>	<u>UNIT</u>	<u>% WEIGHT</u>	<u>SUB -TOTAL</u>
1	GENERAL REQUIREMENTS		LOT		
2	ARCHITECTURAL WORKS				
	A. MASONRY WORKS (25 sq.m)				
	B. CEILING WORKS (137.00 sq.m)				
	C. PAINTING WORKS				
	D. TILING WORKS				
	E. DOORS AND WINDOWS				
	F. ROOFING WORKS				
	G. OTHERS WORKS				
4	ELECTRICAL WORKS				
	A. LIGHTING FIXTURES				
	B. SWITCHES AND OUTLETS				
	C. PANELS, WIRES, CONDUITS, METERING AND SERVICE ENTRANCE				
5	FIRE DETECTION AND ALARM SYSTEM		LOT		
6	PLUMBING WORKS		LOT		
	TOTAL CONSTRUCTION COST				

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<u>ITEM OF WORK</u>		<u>QTY.</u>	<u>UNIT</u>	<u>UNIT COST</u>	<u>TOTAL</u>
GENERAL REQUIREMENTS					
I.	DIRECT COST:				
	Mobilization and Demobilization		lot		
	Temporay Facility		lot		
	Temporary power and Water supply		lot		
		sub-total			
TOTAL GENERAL REQUIREMENTS					

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DESCRIPTION: ARCHITECTURAL

ITEM OF WORK		QTY.	UNIT	UNIT COST	TOTAL
ARCHITECTURAL WORK					
A. MASONRY WORKS (25 sq.m)					
	DIRECT COST:				
	CHB 4"		pcs		
	Portland Cement		bags		
	Vibro Sand		cu.m		
	10 mm dia. Def bars		pcs		
	Decorative concrete Blocks		pcs		
	Formworks		lot		
	Hardwares		lot		
		sub-total			
C.	LABOR COST				
1	Foreman		days		
1	Skilled		days		
2	Labor		days		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL MASONRY WORKS					
B. CEILING WORKS (137.00 sq.m)					
	DIRECT COST:				
	4.5 mm thk. Fiber Cement Board w/ Light gauge Metal Frame & hangers		sq.m		
	Scaffoldings		lot		
	Miscellaneous		lot		
		sub-total			
B.	EQUIPMENTS:				
	Hand tools (5% of material cost)		ls		
		sub-total			
C.	LABOR COST				
1	Foreman		days		
2	Skilled		days		
2	Labor		days		
		.			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL CEILING WORKS					

C. PAINTING WORKS					
	DIRECT COST:				
	Interior Paint (85 sq.m wall)				
	Stucco Finish (Toilet & Entrance)				
	Putty		gal		
	Textured Paint		gal		
	Top Coat		gal		
	Jolly Orange Color (Office, Co-working Space & Hallway)				
	Primer Flat Latex		gal		
	Putty		gal		
	Top Coat		gal		
	Lime Wash Color (Co-working Space)				
	Primer Flat Latex		gal		
	Putty		gal		
	Top Coat		gal		
	Beige/Cream White (Office, Pantry, Hallway,Stairwalls)				
	Primer Flat Latex		gal		
	Putty		gal		
	Top Coat		gal		
	Breeze (Sinag Wall Paint Design)				
	Breeze Paint		gal		
	Lime Green (Sinag Wall Paint Design)				
	Lime Green Paint		gal		
	CEILING PAINT (137.00 sq. m)				
	Primer Flat Latex		gal		
	Putty		gal		
	Top Coat		gal		
	Scaffoldings		lot		
	Facade Refresment (Repainting)				
	Top Coat (white)		gal		
	Top Coat (chocolate brown)		gal		
	Facade Refresment (Decorative Wall Tiles)				
	0.30m x 0.60m ceramic wall tiles		pcs		
	Scaffoldings		lot		
	Hardwares		lot		
		sub-total			
C.	LABOR COST				
1	Foreman		days		
3	Skilled		days		
3	Labor		days		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL PAINTING WORKS					

D. TILING WORKS					
	DIRECT COST:				
	For Co-Working Space, Pantry and Office				
	0.60m x 0.60m ceramic floor tiles (GRAY)		pcs		
	Tile Adhesive		sq.m.		
	Portland Cement		bag		
	Vibro Sand		cu.m		
	Tile Grout		bag		
	For Toilet				
	0.30m x 0.60m ceramic wall tiles (GRAY)		pcs		
	0.30m x 0.30m non-skid ceramic floor tiles (GRAY)		pcs		
	Tile Adhesive		sq.m.		
	Portland Cement		bag		
	Vibro Sand		cu.m		
	Tile Grout		bag		
	For Pantry				
	0.30m x 0.60m WHITE ceramic wall SUBWAY tiles		sq.m.		
	GRAY synthetic granite (solid surface)		sq.m.		
	Miscellaneous		lot		
		sub-total			
B.	EQUIPMENTS:				
	Hand tools (5% of material cost)		lot		
		sub-total			
C.	LABOR COST				
1	Foreman		days		
2	Skilled		days		
2	Labor		days		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL TILING WORKS					

E. DOORS AND WINDOWS					
	DIRECT COST:				
	TOILET				
	W-1 uPVC Sliding Window (600 x 600mm)		set		
	D-1 PVC Door Wood Finish (600 x 2100mm)		set		
	OFFICE				
	D-2 Aluminum Sliding Door (800 x 2100mm) with		set		
	Aluminum Fix Panel Glass				
	PANTRY CABINET				
	W-2 uPVC Sliding & FIXED Window (400 x2000mm)		set		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL DOORS AND WINDOWS					

F. ROOFING WORKS					
	DIRECT COST:				
	24" Pre-painted Gutter ga. 24 (Front only)		pcs		
	Scaffoldings		lot		
	Miscellaneous		lot		
		sub-total			
B.	LABOR COST				
1	Foreman		days		
1	Skilled		days		
2	Labor		days		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL ROOFING WORKS					

G. OTHERS WORKS					
	DIRECT COST:				
	Repair of Park Pathwalk		lot		
	Landscape Plant box Outdoor		lot		
	Rubber Tree 3FT (Indoor Plant)		pcs		
	Indoor Wall Cladding		pcs		
	Signages (SIKAT & SINAG) (ACRYLIC)		lot		
	FOR PLATFORM				
	Marine Ply board 3/4		pcs		
	Good Lumber 2x2x10		pcs		
	10mm Carpet Underlay (brown)		sq.m		
	BOOTH SEAT				
	Tubular 1x2x6m		pcs		
	Tubular 2x2x6m		pcs		
	Laminated Ply Board 3/4		pcs		
	Upholstery Cushion Seat (Leather)		sq.m		
	CABINET				
	Pantry Cabinet (Ducco Finish)		lot		
	Office Cabinet (Modular)		lot		
	Co-Working (Display Shelves & Base Cabinet)		lot		
	Laminated Ply Board 3/4 (For bar height table)		pcs		
	Miscellaneous		lot		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)	0.00			
	PROFIT (8%)	0.00			
	VAT (7%)	0.00			
TOTAL INDIRECT COST					
TOTAL OTHER WORKS					
TOTAL ARCHITECTURAL WORKS					

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DESCRIPTION: ELECTRICAL

ITEM OF WORK	QTY.	UNIT	UNIT COST	TOTAL
ELECTRICAL WORKS				
DIRECT COST:				
a. Materials				
<i>Materials For Inside:</i>				
Box Rail Type Panel Board (12 branches)		pc		
20 AT Breaker		pcs		
30 AT Breaker		pcs		
100 AT Breaker		pc		
Box Pin Light		pcs		
Pin Light		pcs		
Drop Light		pcs		
Track Light (6 pcs Adjustable LED Light)		pcs		
LED Pendant Light (Mount type)		pcs		
LED Wall Light		pcs		
Utility box		pcs		
Junction Box		pcs		
Convenience Outlet Two Gang		pcs		
Special Purpose Outlet (ACU)		pcs		
Switch (One Gang)		pcs		
Switch (Two Gang)		pcs		
Switch (Three Gang)		pcs		
3.5mm ² THHN Cu		box/es		
5.5mm ² THHN Cu		box/es		
30.00 mm ² THHN Cu		lm		
Emergency Light		pcs		
<i>Materials For Outside:</i>				
Pin Light		pcs		
Track Light (4 pcs Adjustable LED Light)		pcs		
2" GI pipe (Electrical Post)		pcs		
2.0HP Split Type Aircon		set		
Hardwares		lot		
		sub-total		
b. Equipment / handtools				
Hand tools (5% of materials)		ls		
		sub-total		
c. Labor Works				
1 Foreman		days		
2 Electrician		days		
2 Labor		days		
		sub-total		
		TOTAL DIRECT COST		
B. Indirect Cost				
O.C.M. (6%) =				
PROFIT (8%) =				
VAT (7%) =				
		TOTAL INDIRECT COST		
		TOTAL ELECTRICAL WORKS		

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APPROVED DETAILED QUANTITY AND COST ESTIMATES

ITEM OF WORK		QTY.	UNIT	UNIT COST	TOTAL
FIRE DETECTION AND ALARM SYSTEM					
	DIRECT COST:				
	Smoke Detector		pcs		
	Double Headed Emergency Light		pcs		
	Fire Extinguisher ABC Type,10 lbs.		pcs		
	Miscellaneous		lot		
		sub-total			
C.	LABOR COST				
1	Foreman		days		
1	Skilled		days		
1	Labor		days		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL FIRE DETECTION AND ALARM SYSTEM					

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APPROVED DETAILED QUANTITY AND COST ESTIMATES					
ITEM OF WORK		QTY.	UNIT	UNIT COST	TOTAL
A. PIPES, FITTINGS AND FIXTURES					
	DIRECT COST:				
	1"Ø x 3m PPR Pipe		pc		
	2"Ø x 3m PVC Pipe		pc		
	4"Ø x 3m PVC Pipe		pc		
	Fittings		lot		
	Floor Drain		pc		
	Kitchen Sink		pc		
	Lavatory Counter top & Cabinet		pc		
	Water Closet		pc		
	Faucet		pc		
	hardware		lot		
		sub-total			
B.	LABOR COST				
1	Foreman		days		
1	Plumber		days		
2	Labor		days		
		sub-total			
TOTAL DIRECT COST					
	INDIRECT COST:				
	O.C.M (6%)				
	PROFIT (8%)				
	VAT (7%)				
TOTAL INDIRECT COST					
TOTAL PLUMBING WORKS					

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