



Department of Science and Technology
Philippine Science High School
Central Mindanao Campus
Nangka, Balo-I, Lanao del Norte

REPAIR / REHABILITATION OF ACADEMIC BUILDINGS I and II

BILL OF QUANTITIES - COST ESTIMATES

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
1.0	GENERAL REQUIREMENTS				
a	Mobilization/Temp. Facilities	1	lot		
b	Safety and Health	1	lot		
				TOTAL 1.0	
2.0	ACADEMIC BLDG. I				
2.1	CLASSROOMS				
a	Painting of room interior to include, walls, beams, columns, etc. (color to be provided by Owner)	554.4	sqm		
b	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	446.8	sqm		
c	Change Doors (From Steel to Wooden with see-thru Glass), to include hinges and door locks.	18.0	set		
d	Remove steel casement and replace with jalou plus (with clear glass) .	93.7	sqm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	54.0	sets		
f	Provide Convenience outlets (at least 4-sets)	36.0	sets		
g	Provide Panel Board/ Circuit breakers	9.0	sets		
h	Repair and repaint wooden cabinets	9.0	units		
i	Provide Room Name, (Signage), 6" x 12"	15.0	sets		
j	Construct wooden cabinet for cleaning gears), 16" x 24" x 48"	9.0	units		
				TOTAL 2.1	
2.2	HALLWAYS / CORRIDORS				
a	Re-paint Walls, Columns, Beams, etc.	329.0	sqm		
b	Stainless Steel Railings, 1-1/2" dia. (refer to drawings)	408.0	lm		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
c	Stainless Steel Railings, 1" dia. (refer to drawings)	120.0	lm		
d	G.I. Railings, 1-1/2" dia. (refer to drawings), to be painted color to match S/Steel	408.0	lm		
e	G.I. Railings, 1" dia. (refer to drawings), to be painted color to match S/Steel.	120.0	lm		
f	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	192.5	sqm		
g	Replace all Electrical lighting fixtures (replace wire where necessary)	46.0	set		
h	Provide Convenience waterproof outlets (refer to drawings)	46.0	set		
i	Provide Panel Board/ Circuit breakers (for each room)	5.0	set		
j	Provide Directional Sign, 6" x 12", (refer to drawings)	16.0	pc		
k	Tile Works, Granite, 0.60m x 0.60m	47.9	sqm		
				TOTAL 2.2	
2.3	LIBRARY				
a	Painting of room interior to include, walls, beams, columns, etc. (color to be provided by Owner)	95.0	sqm		
b	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	112.0	sqm		
c	Change Doors (From Steel to Wooden with see-thru Glass), to include hinges and door locks.	2.0	set		
d	Repair and re-paint Windows , replace broken glass	12.0	sqm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	12.0	set		
f	Provide Convenience outlets (at least 4-sets)	10.0	set		
g	Provide Panel Board/ Circuit breakers (per room)	2.0	set		
h	Repair / repaint wooden cabinets	4.0	set		
i	Provide Room Name, (Signage), 6" x 12"	2.0	pc		
j	Remove Steel Window Casement (Hall way side) and Install Marble Counter Topping, width 16"	8.0	lm		
				TOTAL 2.3	
2.4	OFFICES				

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
a	Painting of room interior to include, walls, beams, columns, etc. (color to be provided by Owner)	512.6	sqm		
b	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	330.3	sqm		
c	Repair / repaint doors , including hardware	9.0	set		
d	Repair and re-paint Windows , replace broken glass	50.2	sqm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	58.0	set		
f	Provide Convenience outlets (refer to drawings)	8.0	set		
g	Provide Panel Board/ Circuit breakers (per room)	8.0	set		
h	Repair / repaint wooden cabinets	8.0	set		
i	Provide Room Name, (Signage), 6" x 12"	8.0	set		
				TOTAL 2.4	
2.5	CLINIC				
a	Painting of room interior to include, walls, beams, columns, etc. (color to be provided by Owner)	67.2	sqm		
b	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	28.0	sqm		
c	Repair / repaint doors , including hardware	1.0	set		
d	Repair and re-paint Windows , replace broken glass	2.4	sqm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	4.0	set		
f	Provide Convenience outlets (refer to drawings)	2.0	set		
g	Provide Panel Board/ Circuit breakers	1.0	set		
h	Repair / repaint wooden cabinets	1.0	set		
i	Provide Room Name, (Signage), 6" x 12"	1.0	set		
j	Supply and Install Exhaust Fan, 12" x 12"	1.0	set		
k	Repair / repaint cubicles	96.0	sqm		
l	Construct Sink / Lavatory, including pvc pipes and water supply. (Refer to drawing)	1.0	lot		
				TOTAL 2.5	
2.6	TOILETS				

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
a	Replace cubicle partitions (use Penolic board to include hardwares), refer to drawings	30.0	sets		
b	Repair and clean all toilet fixtures (Replace all hardwares)	30.0	set		
c	Install new PVC sewage line	5.0	lot		
d	Install new water supply line (use PPR pipe)	5.0	lot		
e	Install new floor and wall tiles, 0.40m x 0.40m	306.0	sqm		
f	Painting of room interior to include, walls, beams, columns, etc. (color to be provided by Owner)	228.0	sqm		
g	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	252.0	sqm		
h	Repair and re-paint Windows , replace broken glass	21.0	sqm		
i	Replace all Electrical lighting fixtures (replace wire where necessary)	40.0	lot		
j	Provide Panel Board/ Circuit breakers (per room)	5.0	lot		
k	Provide Room Name, (Signage), 6" x 12"	10.0	pcs		
l	Supply and Install Exhaust Fan, 12" x 12"	20.0	set		
				TOTAL 2.6	
2.7	STAIRWAY				
a	Re-paint Walls, Columns, Beams, etc.	275.0	sqm		
b	Clean and repaint all steel Railings (use Epoxy paint)	84.0	lm		
c	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	63.0	sqm		
d	Repair and re-paint Windows , replace broken glass	69.0	sqm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	12.0	set		
f	Provide Directional Sign (refer to drawings)	8.0	pc		
g	Tiling Works	189.0	sqm		
h	Provide Emergency Lights (Refer to drawings)	6.0	set		
				TOTAL 2.7	
2.8	ELECTRICAL ROOM				
a	Repair, Fix, Add Panel Board, circuit breakers where when necessary	2.0	lot		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
b	Re-paint Walls, Columns, Beams, etc.	62.4	sqm		
c	Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	15.0	sqm		
d	Rewiring, replacement of circuit Brakers, etc	2.0	sets		
				TOTAL 2.8	
2.9	EXTERIOR				
a	Paint all Walls, Columns, beams, etc. (include repair of crack, etc.)	1,442.0	sqm		
b	Install Ceiling and Change damaged Ceiling / repair and Paint (Ceiling Hardilite on metal furrings)	331.5	sqm		
c	Replace all roof Gutters.	327.0	lm		
d	Replace exisiting downspouts with PVC downspouts, Sch. 40. Paint to match bldg. color.	180.0	lm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	61.0	set		
f	Provide Cover to End Gable (Hardiflex on furring frame), paint	80.0	sqm		
g	Provide Panel Board/ Circuit breakers	4.0	lot		
h	Scaffoldings, Consumablesm etc	1.0	lot		
				TOTAL 2.9	
2.10	OTHERS				
a	Construct 3-New Rooms (refer to drawings)	63.0	sqm		
b	Plain Cement Plaster finishing and Paint to match building color (at 3rd floor hallway)	54.0	sqm		
c	Construct Walkway Connecting ACA 1 and SLRC	16.0	sqm		
d	Repair all water tanks in the building, including its piping system	1.0	lot		
e	Replace all down spouts (PVC, paint to match bldg. color)	465.0	lm		
f	Provide Ceiling (Bridge connecting ACA 1 to ACA 2) and Ceiling for Open space	144.0	sqm		
g	Painting of Roofing (Color: Brown)	1,319.4	sqm		
h	Septic Tank	1.0	set		
i	Upgrade Building Façade				
i.1	Tubular Steel, 2" x 4" x 20', 1.5mm	60.0	lengths		
i.2	Aluminum Composite Panel, APC, colored	90.0	sqm		
i.3	Angle bar, 1" x 1" x 1/4 x 20'	70.0	lengths		
i.4	Angle bar, 2" x 2" x 1/4 x 20'	16.0	lengths		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
i.5	Paint, Consumables, etc.	1.0	lot		
k	Repair Fire Alarm System (Smoke Detector)	1.0	lot		
l	Replace / and or repair all defective aluminum door, window frames, etc.	5.0	set		
				TOTAL 2.10	
3.0	ACADEMIC BLDG. 2				
3.1	CLASSROOMS				
a	Re-paint Walls, etc.	725.8	sqm		
b	Change damaged Ceiling / repair and Paint	448.0	sqm		
b	Change Doors (From Steel to Wooden with Glass Window)	24.0	set		
c	Remove steel casement and replace with jalou plus (with clear glass)	157.0	sqm		
d	Replace all Electrical lighting fixtures (replace wire where necessary)	108.0	set		
h	Provide Convenience outlets (at least 4-sets)	48.0	set		
i	Provide Panel Board/ Circuit breakers	12.0	lot		
j	Repair / repaint wooden cabinets	24.0	set		
j	Provide Room Name (Signage)	24.0	pc		
j	Construct wooden cabinet for cleaning gears)	12.0	set		
				TOTAL 3.10	
3.2	HALLWAYS / CORRIDORS				
a	Re-paint Walls, Columns, Beams, etc.	403.2	sqm		
b	Replace Railings (refer to drawings)	552.0	lm		
c	Change damaged Ceiling / repair and Paint	360.0	sqm		
d	Replace all Electrical lighting fixtures (replace wire where necessary)	30.0	set		
e	Provide Convenience waterproof outlets (refer to drawings)	30.0	set		
f	Provide Panel Board/ Circuit breakers	3.0	lot		
g	Provide Directional Sign (refer to drawings)	12.0	pc		
h	Repair Fire Alarm System, smoke detectors, etc	1.0	lot		
i	Tiling Works	360.0	sqm		
				TOTAL 3.20	
3.3	TOILETS				
a	Replace cubicle partitions	24.0	set		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
b	Repair all toilet fixtures	36.0	set		
c	Repair /reinstall sewage line	6.0	lot		
d	Repair /reinstall water line	6.0	lot		
e	Install new tiles	326.4	sqm		
f	Re-paint Walls, etc.	198.0	sqm		
g	Change damaged Ceiling / repair and Paint	168.0	sqm		
h	Repair and re-paint Windows , replace broken glass	10.8	sqm		
i	Replace all Electrical lighting fixtures (replace wire where necessary)	24.0	set		
j	Provide Panel Board/ Circuit breakers	3.0	set		
k	Provide Room Name (Signage)	6.0	pc		
l	Provide Exhaust Fans	6.0	set		
				TOTAL 3.30	
3.4	STAIRWAY				
a	Re-paint Walls, Columns, Beams, etc.	460.0	sqm		
b	Replace Railings (refer to drawings)	192.0	lm		
c	Change damaged Ceiling / repair and Paint	72.0	sqm		
d	Repair and re-paint Windows , replace broken glass	120.0	sqm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	8.0	set		
f	Provide Directional Sign (refer to drawings)	8.0	pc		
g	Tiling Works	192.0	sqm		
h	Provide Emergency Lights (Refer to drawings)	6.0	set		
				TOTAL 3.40	
3.5	ELECTRICAL ROOM				
a	Repair, Fix, Add Panel Board, circuit breakers where when necessary	2.0	set		
b	Re-paint Walls, etc.	19.2	sqm		
c	Change damaged Ceiling / repair and Paint	8.0	sqm		
d	Rewiring, Changing of Circuit Breakers, etc	1.0	lot		
				TOTAL 3.50	
3.6	OTHERS				
a	Repair all water tanks in the building, including its piping system	1.0	lot		
b	Replace steel Doors of Water Tank Rooms	3.0	sets		

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT (Php)
c	Replace all defective aluminum door, window frames, etc.	1.0	set		
d	Building Façade, Repaint the Aluminum Composite Panel (APC), Color to be provided by Owner)	380.0	sqm		
e	Septic Tank	1.0	lot		
				TOTAL 3.60	
3.7	EXTERIOR 2				
a	Re-paint all Walls, Columns, beams, etc.	470.0	sqm		
b	Add missing parts / Change damaged Ceiling / repair and Paint	96.0	sqm		
c	Change damaged roof gutters	64.0	lm		
d	Change damaged roof down spouts	100.0	lm		
e	Replace all Electrical lighting fixtures (replace wire where necessary)	18.0	set		
f	Provide Panel Board/ Circuit breakers	1.0	set		
				TOTAL 3.70	
				GRAND TOTAL	

CONTRACTOR

Authorized Signatory
Over Printed Name

Date