



BID FORM

PROJECT : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS
(CAMP EXTENSION BUILDING)

LOCATION : College of Allied Medical Professions, University of the Philippines Manila

SUBJECT : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
1.00	GENERAL REQUIREMENTS				
1.01	Mobilization & Demobilization - Scaffolding, warehouse, board ups, canvass / temporary coverings and safety signages - Temporary water/power utilities	1.00	lot		
1.02	Government Permits and Engineering Licenses	1.00	lot		
1.03	Health and Safety (PPE, Medkit, Medical check-up/testing as required for new normal etc.)	1.00	lot		
1.04	As-Built Plans (Architectural, Structural, Electrical, Auxiliary, Sanitary, and Mechanical Plans)	1.00	lot		
	Sub-Total				
2.00	SITE PREPARATION WORKS				
2.01	Dismantling of existing windows including hauling and disposal of debris	15.00	unit(s)		
2.02	Dismantling of existing single panel door including hauling and disposal of debris	16.00	unit(s)		
2.03	Dismantling of existing double panel door including hauling and disposal of debris	9.00	unit(s)		
2.04	Dismantling of existing floor finish	527.00	sq.m		
2.05	Demolition of existing ceiling boards and framings including hauling and disposal of debris	812.00	sq.m		
2.06	Demolition works including hauling and disposal of existing wall partition	130.00	sq.m		
2.07	Demolition works including hauling and disposal of existing ledge at rear side of the building	60.00	sq.m		
	Sub-Total				
3.00	CIVIL / STRUCTURAL WORKS				
3.01	Earthworks				
	a. Extension				
	Excavation	192.00	cu.m.		
	Backfilling	157.00	cu.m.		
	Disposal of excess excavated materials	36.00	cu.m.		
	b. Front Façade				
	Excavation	30.00	cu.m.		
	Backfilling	25.00	cu.m.		
	Disposal of excess excavated materials	6.00	cu.m.		
	Sub-total				

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
3.02	Concreting				
	a. Extension				
	Cement	1,460.00	bags		
	Wash Sand	53.00	cu.m.		
	Gravel	106.00	cu.m.		
	Crushed Aggregate (Gravel bedding)	12.00	cu.m.		
	b. Front Façade				
	Cement	625.00	bags		
	Wash Sand	40.00	cu.m.		
	Gravel	79.00	cu.m.		
	Crushed Aggregate (Gravel bedding)	9.00	cu.m.		
	c. Parapet of Existing Building				
	Cement	80.00	bags		
	Wash Sand	4.00	cu.m.		
	Gravel	8.00	cu.m.		
	Sub-total				
3.03	Reinforce Steel Bar				
	a. Extension				
	16mmø 10.50m RSB	80.00	pcs		
	16mmø 9.00m RSB	122.00	pcs		
	16mmø 7.50m RSB	242.00	pcs		
	16mmø 6.00m RSB	1,046.00	pcs		
	10mmø x 6.00m RSB	3,024.00	pcs		
	# 16 Tie wires (25kg/roll)	55.00	roll/s		
	b. Front Façade				
	16mmø 7.50m RSB	46.00	pcs		
	16mmø 6.00m RSB	704.00	pcs		
	12mmø x 6.00m RSB	142.00	pcs		
	10mmø x 6.00m RSB	1,344.00	pcs		
	# 16 Tie wires (25kg/roll)	26.00	roll/s		
	c. Parapet of Existing Building				
	W8 x 13 x 6m I-beam	7.00	pcs		
	Sub-total				
3.04	Formworks				
	a. Extension				
	3/8" x 4' x 8' Form plywood	143.00	pc/s		
	Form lumber	13,870.00	bd. Ft.		
	CW Nails	6.00	keg/s		
	Scaffoldings	5,963.00	bd. Ft.		
	b. Front Façade				
	3/8" x 4' x 8' Form plywood	70.00	pc/s		
	Form lumber	6,827.00	bd. Ft.		
	CW Nails	3.00	keg/s		
	Scaffoldings	2,935.00	bd. Ft.		
	Sub-total				

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
3.05	Concrete Topping/Plastering of Columns				
	a. Extension				
	Cement	105.00	bag/s		
	Sand	9.00	cu.m.		
	b. Front Façade				
	Cement	157.00	bag/s		
	Sand	13.00	cu.m.		
	c. Parapet of Existing Building				
	Cement	40.00	bag/s		
	Sand	3.00	cu.m.		
	Sub-total				
3.06	Masonry works				
	a. Extension				
	6" x 8" x 16" CHB	3,744.00	pc/s		
	Cement	213.00	bag/s		
	Sand	18.00	cu.m.		
	10mmø RSB	492.00	kg/s		
	Tie wire	8.00	kg/s		
	4" x 8" x 16" CHB	6,640.00	pc/s		
	Cement	145.00	bag/s		
	Sand	15.00	cu.m.		
	10mmø RSB	871.00	kg/s		
	Tie wire	13.00	kg/s		
	b. Front Façade				
	6" x 8" x 16" CHB	895.00	pc/s		
	Cement	33.00	bag/s		
	Sand	3.00	cu.m.		
	10mmø RSB	358.00	kg/s		
	Tie wire	6.00	kg/s		
	4" x 8" x 16" CHB	1,386.00	pc/s		
	Cement	50.00	bag/s		
	Sand	5.00	cu.m.		
	10mmø RSB	555.00	kg/s		
	Tie wire	10.00	kg/s		
	c. Parapet of Existing Building/Rear Façade				
	6" x 8" x 16" CHB	1,540.00	pc/s		
	Cement	87.00	bag/s		
	Sand	8.00	cu.m.		
	10mmø RSB	179.00	kg/s		
	Tie wire	3.00	kg/s		
	Sub-total				
3.07	Concrete platform for relocated Generator Set Dimension: 5.26m (L) x 3.00m (W) x 250mm (D)				
	Cement	30.00	bags		
	Wash Sand	2.00	cu.m.		
	Gravel	3.00	cu.m.		
	16mmø 6.00m RSB	35.00	pcs		
	# 16 Tie wires (25kg/roll)	1.00	roll/s		
	Sub-total				

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
3.08	Thermal Moisture Protection				
	<u>Roofing Works</u>				
	GA # 24 Rib type roofing GA # 16 2" x 6" Purlins, 2LS 2" x 2" x 3/16" brace, 12mm thick base plate, 3"x 3" x 3/16" structural tubing w/ shear bars embedded in columns and welded to the bottom of the base plate, 16mm diameter cross braces, sag rod @ mid point, perimeter flashing with frame, bended accessories, perimeter fascia board with frame, etc.	65.00	m ²		
	Roofing insulation works (10mm double-sided bubble insulation)	65.00	m ²		
	Delivery Cost (trucking,hauling , etc)	1.00	lot		
	<u>Roof Truss</u>				
	2L 2" (50.8mm) x 2" (50.8mm) x 3/16" (5mm)thk ,	21.00	pc(s)		
	Purlins : Ga. # 14 C 2" (50 mm) x 4" (100mm)	24.00	pc(s)		
	Sagrod: 12 mm Ø x 1.20m	36.00	pc(s)		
	Cross brace with turn buckle	5.00	pc(s)		
	Plates: Gusset & Base - 12mm thk x 300mm x 300mm	8.00	pc(s)		
	Bolts: 16mm Ø x 300mm Anchor bolt	48.00	pc(s)		
	Sub-total				
4.00	ARCHITECTURAL WORKS				
4.01	DOORS				
	(D-1) Double Panel Single Action Swing Steel Doors Door Dimension: 1.30m(L) x 2.10m (H) Finish: Epoxy primer (gray), duco painted finish Panel: G.I. Sheet, G.A.#18thk, 44mm thk with 6mm thick tempered clear glass wired viewing window Jamb: G.I. Sheet, G.A.#16 (97mm), 2"x4" single rabbet Fire Rate: 1.5Hrs - 30-35 sound transmission class (STC) Hardware: - 6pairs 5 knuckles, ball bearing, full mortise standard weight - stainless steel hinge with stainless steel pin - rim exit device on one panel with surface vertical rod on the other panel - fire-rated use with entrance lock lever lock set on exterior side of the door - 2sets heavy duty cast iron cylinder surface mounted door closer aluminum finish.	28.00	unit(s)		
	(D-2) Single Frame Panel Glass Swing Type Door 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film and 3M sticker UPM logo to match pantone, stainless steel door handles, lockset and accessories, threshold with door bottom sweep/seal. Door Dimension: 1.00m(W) x 2.10m (H)	3.00	unit(s)		
	(D-3) Single Frame Panel Glass Swing Type Door 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film and 3M sticker UPM logo to match pantone, stainless steel door handles, lockset and accessories, threshold with door bottom sweep/seal. Door Dimension: 0.90m(W) x 2.10m (H)	1.00	unit(s)		
	(D-4) Single Frame Panel Glass Swing Type Door 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film and 3M sticker UPM logo to match pantone, stainless steel door handles, lockset and accessories, threshold with door bottom sweep/seal. Door Dimension: 0.80m(W) x 2.10m (H)	1.00	unit(s)		

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	(D-5) Single-Leaf Single Action Swing Fire Rated Door Door Dimension: 1.00m(L) x 2.10m (H) Finish: Epoxy primer (gray) painted finish Panel: G.I. Sheet, G.A.#18thk, 44mm thk Jamb: G.I. Sheet, G.A.#16 (97mm), 2"x4" single rabbet Insulation: 44mm thk honeycomb Fire Rate: 4 Hours fire rated as per BS476, Part 22 Hardware: - 4pcs panel S/S 4.5" x 4" x 3.5mm thk. butterfly ball bearing hinges - panic device, 90min. fire rating - surface mount door closer (60kg-wt capacity) ISO9002 - threshold with door bottom sweep/seal	4.00	unit(s)		
	(D-6) Single-Leaf Single Action Swing Fire Rated Door Door Dimension: 0.90m(L) x 2.10m (H) Finish: Epoxy primer (gray) DUCO painted finish Panel: G.I. Sheet, G.A.#18thk, 44mm thk Jamb: G.I. Sheet, G.A.#16 (97mm), 2"x4" single rabbet Insulation: 44mm thk honeycomb Fire Rate: 4 Hours fire rated as per BS476, Part 22 Hardware: - 4pcs panel S/S 4.5" x 4" x 3.5mm thk. butterfly ball bearing hinges - 1 set entrance lock lever lockset - surface mount door closer (60kg-wt capacity) ISO9002 - threshold with door bottom sweep/seal	2.00	unit(s)		
	(D-7) Single-Leaf Single Action Swing Fire Rated Door Door Dimension: 0.80m(L) x 2.10m (H) Finish: Epoxy primer (gray) DUCO painted finish Panel: G.I. Sheet, G.A.#18thk, 44mm thk Jamb: G.I. Sheet, G.A.#16 (97mm), 2"x4" single rabbet Insulation: 44mm thk honeycomb Fire Rate: 4 Hours fire rated as per BS476, Part 22 Hardware: - 4pcs panel S/S 4.5" x 4" x 3.5mm thk. butterfly ball bearing hinges - 1 set entrance lock lever lockset - surface mount door closer (60kg-wt capacity) ISO9002 - threshold with door bottom sweep/seal	2.00	unit(s)		
	(DW-01) Demountable Wall with Double Frame Panel Glass Door Demountable Wall: - Dimension: 4.55m (L) x 2.48m (H) - 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film to match pantone, complete with accessories and installation Double Panel Glass Door: - Dimension: 1.80m (L) x 2.10m (H) - 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film and 3M sticker UPM logo to match pantone, stainless steel door handles, lockset and accessories, threshold with door bottom sweep/seal.	1.00	unit(s)		
	(DW-02) Demountable Wall with Single Frame Panel Glass Door Demountable Wall: - Dimension: 3.88m (L) x 2.48m (H) - 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film to match pantone, complete with accessories and installation Single Panel Glass Door: - Dimension: 1.00m (L) x 2.10m (H) - 10mm thk tempered clear glass with 8 mil security film on aluminum powder coated frame, 3M diffuser film and 3M sticker UPM logo to match pantone, stainless steel door handles, lockset and accessories, threshold with door bottom sweep/seal.	1.00	unit(s)		
	Sub-total				

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
4.02	WINDOWS				
	(W-1) Awning Type Window 6mm thk tempered clear glass with 8 mil security film on 2"x4" aluminum powder coated frame, 3M diffuser film to match pantone,complete with accessories and installation Dimension: 2.00m(L) x 1.50m(H) awning type window with 2 sets 0.65m(L) x 0.80m(H) awning type window	9.00	set(s)		
	(W-2) Awning Type Window 6mm thk tempered clear glass with 8 mil security film on 2"x4" aluminum powder coated frame, 3M diffuser film to match pantone,complete with accessories and installation Dimension: 2.00m(L) x 0.60m(H)	1.00	set(s)		
	(W-3) Sliding Window 6mm thk tempered clear glass with 8 mil security film on 2"x4" aluminum powder coated frame, 3M diffuser film to match pantone,complete with accessories and installation Dimension: 1.50m(L) x 0.60m(H)	4.00	set(s)		
	(W-4) Awning Type Window 6mm thk tempered clear glass with 8 mil security film on 2"x4" aluminum powder coated frame, 3M diffuser film to match pantone,complete with accessories and installation Dimension: 0.60m(L) x 0.60m(H)	2.00	set(s)		
	(W-5) Fixed Window 6mm thk tempered clear glass with 8 mil security film on 2"x4" aluminum powder coated frame, 3M diffuser film to match pantone,complete with accessories and installation Dimension: 3.00m(L) x 1.10m(H)	1.00	set(s)		
	(W-5A) Fixed Window 6mm thk tempered clear glass with 8 mil security film on 2"x4" aluminum powder coated frame, 3M diffuser film to match pantone,complete with accessories and installation Dimension: 2.4m(L) x 1.10m(H)	1.00	set(s)		
	Sub-total				
4.03	CEILING WORKS				
	(CF-01) 4.5mm thk fiber cement board on metal furring, painted finish	252.00	sq.m.		
	(CF-02) 0.60m x 0.60m x 4.5mm thk. Fiber cement board on T-runner, with complete hangers and supports, painted finish	805.00	sq.m.		
	Sub-total				

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
4.04	PARTITION WORKS				
	(WF-01) Repair and rehabilitation of affected existing exterior and interior walls	315.00	sq.m.		
	(WF-02) 6" thk CHB wall, plastered finish	240.00	sq.m.		
	(WF-03) 4" thk CHB wall, plastered finish	558.00	sq.m.		
	(WF-04) 6mm thk fiber cement board on metal studs, painted finish	25.00	sq.m.		
	Sub-total				
4.05	FLOORING WORKS				
	(FF-01) 600mm x 600mm porcelain floor tiles (polished), provide 12mm gap with grout between walls and porcelain floor tiles	780.00	sq.m.		
	(FF-02) 600mm x 600mm porcelain floor tiles (non-polished/non-skid), with waterproofing, provide 12mm gap with grout between walls and porcelain floor tiles	10.00	sq.m.		
	(FF-03) Supply and application of flexible cementitious waterproofing including surface preparation and concrete topping/covering with wire mesh (2coats primer, 3 coats topcoat)	175.00	sq.m.		
	Sub-total				
4.06	PAINTING WORKS				
	Semi-gloss paint finish including surface preparation and putty/skimcoat for front façade and extension exterior walls	1,768.00	sq.m.		
	Sub-total				
4.07	MISCELLANEOUS WORKS				
	<u>Grille works & Maintenance ladder</u>				
	Supply and installation of maintenance steel ladder with steel enclosure at Ground Floor to roof deck in enamel paint finish	1.00	unit		
	<u>Pre-Cast Concrete Moulding for Façade</u>				
	Supply and installation of pre-cast moulding	300.00	m		
	<u>Signages</u>				
	0.50m(W) x 2.80m(H) Stainless alibata symbol built-up signage	6.00	set/s		
	0.30m(H) Stainless "COLLEGE OF ALLIED MEDICAL PROFESSION" (32 letters) signage	32.00	pc/s		
	0.25m(H) Stainless "UNIVERSITY OF THE PHILIPPINES MANILA" (22 letters) signage	22.00	pc/s		
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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
5.00	ELECTRICAL WORKS				
5.01	Wires and Cables (Color Coded)				
	3.5 mm ² THHN	50.00	box(s)		
	5.5 mm ² THHN	18.00	mtrs		
	8.0 mm ² THHN	28.00	mtrs		
	14 mm ² THHN	125.00	mtrs		
	22 mm ² THHN	24.00	mtrs		
	30 mm ² THHN	173.00	mtrs		
	50 mm ² THHN	42.00	mtrs		
	80 mm ² THHN	162.00	mtrs		
	100 mm ² THHN	18.00	mtrs		
	125 mm ² THHN	168.00	mtrs		
	200 mm ² THHN	315.00	mtrs		
	Sub-Total				
5.02	Conduit Pipes and Accessories				
	15mm Ø FMC	9.00	roll(s)		
	15 mm Ø FMC Straight Connector	415.00	pc(s)		
	20mmØ PVC conduit pipe with fittings and complete accessories	780.00	length(s)		
	32mmØ PVC conduit pipe with fittings and complete accessories	3.00	length(s)		
	32mmØ IMC conduit pipe with fittings and complete accessories	15.00	length(s)		
	50mmØ PVC conduit pipe with fittings and complete accessories	4.00	length(s)		
	65mmØ PVC conduit pipe with fittings and complete accessories	20.00	length(s)		
	65mmØ IMC conduit pipe with fittings and complete accessories	20.00	length(s)		
	80mmØ IMC conduit pipe with fittings and complete accessories	32.00	length(s)		
	80mmØ RSC conduit pipe with fittings and complete accessories	14.00	length(s)		
	Liquid tight connector for 80mmØ RSC conduit pipe	3.00	pc(s)		
	Sub-Total				
5.03	Wiring Devices and Lighting Fixtures				
	Single Universal Outlet grounding type w/ plate cover 16A wide series (Ref and Access point)	22.00	unit(s)		
	Duplex Universal Outlet grounding type w/ plate cover 16A wide series	203.00	unit(s)		
	Duplex Universal Grounding type, Ground Fault Circuit Interrupter (GFCI)	1.00	unit(s)		
	Floor mounted pop-up outlet built-in with duplex LAN, Duplex. Outlet universal grounding, HDMI, VGA & USB (Pop-up socket). Including cables for the TV	1.00	unit(s)		
	6" dia. LED 12W Recessed Type Daylight	51.00	unit(s)		
	8" dia. LED 12W Recessed Type Daylight	79.00	unit(s)		
	Premium 30W Surface Mounted LED Downlight	4.00	unit(s)		
	30W LED Up down Wall Light, Warm White	6.00	unit(s)		
	2x20W, 400lm, LED Downlight COB Daylight	5.00	unit(s)		
	600mm X 600mm Recessed LED Panel 40W, Daylight	71.00	unit(s)		
	1200mm X 300mm Recessed LED Panel 24W, Daylight	21.00	unit(s)		
	1200mm X 600mm Recessed LED Panel 72W, Daylight	35.00	unit(s)		
	Strip Light, Warm White	1.00	roll(s)		
	2-1.5W Emergency light	11.00	unit(s)		

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	Single Lighting Switch w/ plate cover 16A wide series	26.00	unit(s)		
	2-gang Lighting Switch w/ plate cover 16A wide series	14.00	unit(s)		
	3-gang Lighting Switch w/ plate cover 16A wide series	8.00	unit(s)		
	3-way, 2-gang Lighting Switch w/ plate cover 16A wide series	2.00	unit(s)		
	3-way, 3-gang Lighting Switch w/ plate cover 16A wide series	4.00	unit(s)		
	2"x4" PVC utility box	287.00	unit(s)		
	Junction Box	300.00	unit(s)		
	Pullbox	1.00	lot		
	Sub-Total				
5.04	Circuit Breakers and Accessories				
	Panel: MDP in NEMA 1 - Surface Mounted Main: 1-1000AT, 1000AF, 3P, 230V, 65KAIC, FIXED ACB Branches: 1-225AT, 225AF, 3P, 230V, 22KAIC, MCCB 3-200AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-175AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-100AT, 100AF, 3P, 230V, 10KAIC, MCCB 1-40AT, 100AF, 3P, 230V, 10KAIC, MCCB 3-Space, 3P, 230V	1.00	assy.		
	Panel: DP1 in NEMA 1 - Surface Mounted Main: 1-225AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-80AT, 100AF, 3P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: DP2 in NEMA 1 - Surface Mounted Main: 1-200AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-70AT, 100AF, 3P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: DP3 in NEMA 1 - Surface Mounted Main: 1-200AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-50AT, 50AF, 3P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: DP4 in NEMA 1 - Surface Mounted Main: 1-200AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB 1-50AT, 50AF, 3P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: PPAC1 in NEMA 1 - Surface Mounted Main: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-70AT, 100AF, 3P, 230V, 10KAIC, MCCB 1-60AT, 100AF, 3P, 230V, 10KAIC, MCCB 10-30AT, 100AF, 2P, 230V, 10KAIC, MCCB 8-20AT, 100AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: PPAC2 in NEMA 1 - Surface Mounted Main: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-80AT, 100AF, 3P, 230V, 10KAIC, MCCB 1-50AT, 50AF, 3P, 230V, 10KAIC, MCCB 12-30AT, 100AF, 2P, 230V, 10KAIC, MCCB 6-20AT, 100AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	Panel: PPAC3 in NEMA 1 - Surface Mounted Main: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-80AT, 100AF, 3P, 230V, 10KAIC, MCCB 1-50AT, 50AF, 3P, 230V, 10KAIC, MCCB 12-30AT, 100AF, 2P, 230V, 10KAIC, MCCB 6-20AT, 100AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: PPAC4 in NEMA 1 - Surface Mounted Main: 1-150AT, 225AF, 3P, 230V, 22KAIC, MCCB Branches: 1-80AT, 100AF, 3P, 230V, 10KAIC, MCCB 1-60AT, 100AF, 3P, 230V, 10KAIC, MCCB 12-30AT, 100AF, 2P, 230V, 10KAIC, MCCB 6-20AT, 100AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: GFLO in NEMA 1 - Surface Mounted Main: 1-80AT, 100AF, 3P, 230V, 10KAIC, MCCB Branches: 24-20AT, 50AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: SFLO in NEMA 1 - Surface Mounted Main: 1-70AT, 100AF, 3P, 230V, 10KAIC, MCCB Branches: 20-20AT, 50AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: TFLO in NEMA 1 - Surface Mounted Main: 1-50AT, 50AF, 3P, 230V, 10KAIC, MCCB Branches: 16-20AT, 50AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Panel: FFLO in NEMA 1 - Surface Mounted Main: 1-50AT, 50AF, 3P, 230V, 10KAIC, MCCB Branches: 16-20AT, 50AF, 2P, 230V, 10KAIC, MCCB	1.00	assy.		
	Sub-Total				
5.05	Enclosed Circuit Breaker in NEMA 3R				
	Enclosed Fixed ACB, 1000AT, 3P, 230V in NEMA 3R	1.00	assy.		
	ECB, 400AT, 3P, 230V in NEMA 3R	1.00	assy.		
	ECB, 80AT, 3P, 230V in NEMA 3R	3.00	assy.		
	ECB, 70AT, 3P, 230V in NEMA 3R	1.00	assy.		
	ECB, 60AT, 3P, 230V in NEMA 3R	2.00	assy.		
	ECB, 50AT, 3P, 230V in NEMA 3R	2.00	assy.		
	Sub-Total				

**PROJECT : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS
(CAMP EXTENSION BUILDING)**

LOCATION : College of Allied Medical Professions, University of the Philippines Manila

SUBJECT : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
5.06	Miscellaneous Items				
	Hangers and Supports (Steel Rods, Expansion Bolts, Strut-Channels, Conduit Straps, and other necessary items to support installations of distribution frames, wiring boxes, conduit runs and wiring devices)	1.00	lot		
	Wire gutter provision for all the wire panel	1.00	lot		
	Excavation Works and coring works	1.00	lot		
	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes, Mica tubes, and other necessary items to be consumed to assure correct installations of conduit runs and wiring devices)	1.00	lot		
	1.1m -Big OCTC 5/8" dia. Machine bolt (Galvanized) fully threaded with nuts & washers minimum protrusion 3"	1.00	pc(s)		
	Rubber Tape	10.00	roll(s)		
	GI Wire	20.00	kilo(s)		
	Chipping and restoration of all affected areas due to project implementation	1.00	lot		
	Provision for temporary power during dismantling of existing panel	1.00	lot		
	Testing and commissioning	1.00	lot		
	Sub-Total				
6.00	AUXILLIARY WORKS				
6.01	Fire Detection and Alarm System (FDAS)				
	Digital Optical Detector, with Remote Indicator Output without base	65.00	ea		
	Common Detector Base for Digital Detectors and forInnovation Detectors using EOLR	65.00	ea		
	Flush mount Resetable (Non-Breaking Glass), Supplied with surface mount back box and Special Reset Key (Certificated by LPCB)	7.00	ea		
	Addressable Combined Sounder and Strobe, 24VDC required	7.00	ea		
	Back up battery, 12 VDC 7.0AH Back up battery (Matrix N7)	2.00	ea		
	Intelligent PSU, 5A 24VDC Intelligent PSU, Display showa DC output voltage and load current fully (PSU24-5) monitored with selftest facilities excluding batteries	1.00	ea		
	AVR, SVC-1000VA AVR 1KVA	1.00	ea		
	TF wire #18AWG	15.00	roll(s)		
	3.5mm ² THHN	1.00	box(s)		
	EMT conduit pipes 1/2"Ø	50.00	length(s)		
	Flexible metallic conduit 1/2"	80.00	unit(s)		
	PVC Pipe 1/2" Ø	20.00	length(s)		
	EMT coupling 1/2"Ø	50.00	unit(s)		
	EMT connector 1/2"Ø	100.00	unit(s)		
	Flexible metallic hose adapter 1/2"Ø	40.00	unit(s)		
	EMT bushing 1/2"Ø	97.00	unit(s)		
	EMT locknut 1/2"Ø	97.00	unit(s)		
	C-Clamp 1/2	85.00	unit(s)		
	Pull box (130x130x150)mm	1.00	lot		
	EMT junction box with cover #18	35.00	unit(s)		
	Consumables	1.00	lot		
	Testing and Commissioning	1.00	lot		
	Programming	1.00	lot		
	Sub-Total				

**PROJECT : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS
(CAMP EXTENSION BUILDING)**

LOCATION : College of Allied Medical Professions, University of the Philippines Manila

SUBJECT : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
6.02	Structured Cabling/LAN & Telephone				
	Duplex LAN outlet Cat 6 data modular jack RJ45 and plate cover	14.00	unit(s)		
	Single LAN outlet Cat 6 data modular jack RJ45 and plate cover	61.00	unit(s)		
	3 mtrs CAT6 patch cord ready for use	89.00	unit(s)		
	CAT 6 lan cable for LAN & Telephone (300m/roll)	10.00	roll(s)		
	Telephone Outlet	6.00	unit(s)		
	2"x4" PVC utility box	89.00	unit(s)		
	25mmØ PVC conduit pipe complete with fittings and accessories (LAN, Tel/pabx, Up link, Wifi, and Aruba)	880.00	unit(s)		
	Patch panel coupler type 24 ports	5.00	unit(s)		
	Wall Mounted IDF Cabinet/Server Data rack (L530mmxW200mmxH250mm) with exhaust fan and power outlet	3.00	unit(s)		
	Wall Mounted IDF Cabinet/Server Data rack (L530mmxW400mmxH600mm) with exhaust fan and power outlet	1.00	unit(s)		
	24 port smart switch hub	5.00	unit(s)		
	Wire Manager metal	5.00	unit(s)		
	HPE Networking BTO Ap-225 Wireless Access Point	2.00	unit(s)		
	Access Point/Wireless Wi-fi Router Standards: IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11ax/n/b/g 2.4 GHz Wi-fi Speeds: 5 GHz: 4804 Mbps (802.11ax, HE160) 2.4 GHz: 574 Mbps (802.11ax)	24.00	unit(s)		
	Hanger and Supports	1.00	lot		
	Testing and Commissioning	1.00	lot		
	Sub-Total				
7.00	MECHANICAL WORKS				
7.01	EQUIPMENT				
	Air Conditioning (VRF System)				
	a. Outdoor Unit/s (ACCU)				
	1. ACCU GF-A (12 HP cooling cap)	1.00	pcs		
	2. ACCU 2F-A (10 HP cooling cap)	1.00	pcs		
	3. ACCU 3F-A (10 HP cooling cap)	1.00	pcs		
	4. ACCU 4F-A (12 HP cooling cap)	1.00	pcs		
	b. Indoor Unit/s (FCU)				
	1. FCU GF-A-1 wall mounted (0.80 HP cap)	2.00	pcs		
	2. FCU GF-A-2 4-way ceiling cassette (1.25 HP cap)	1.00	pcs		
	3. FCU GF-A-3 4-way ceiling cassette (1.60 HP cap)	5.00	pcs		
	4. FCU 2F-A-1 wall mounted (0.80 HP cap)	2.00	pcs		
	5. FCU 2F-A-2 4-way ceiling cassette (1.25 HP cap)	1.00	pcs		
	6. FCU 2F-A-3 4-way ceiling cassette (2.0 HP cap)	3.00	pcs		
	7. FCU 3F-A-1 4-way ceiling cassette (2.0 HP cap)	5.00	pcs		
	8. FCU 4F-A-1 4-way ceiling cassette (2.0 HP cap)	6.00	pcs		
	c. Accessories (drain pump)	4.00	pcs		
	Sub-Total				

**PROJECT : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS
(CAMP EXTENSION BUILDING)**

LOCATION : College of Allied Medical Professions, University of the Philippines Manila

SUBJECT : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	Ventilation				
	a. Ceiling cassette exhaust fan				
	1. TEF GF-1 (50 CFM; 16W input, 220V/1ph/60Hz)	2.00	pcs		
	2. CEF GF-1 (100 CFM; 26W input, 220V/1ph/60Hz)	3.00	pcs		
	3. CEF 2F-1 (100 CFM; 26W input, 220V/1ph/60Hz)	3.00	pcs		
	4. CEF 3F-1 (100 CFM; 26W input, 220V/1ph/60Hz)	5.00	pcs		
	5. CEF 4F-1 (100 CFM; 26W input, 220V/1ph/60Hz)	6.00	pcs		
	Sub-Total				
7.02	EXHAUST DUCT (incl. elbows, fittings, plenums, dampers, etc.)				
	a. PVC exhaust duct				
	100 mmØ @ 3m/L	2.00	lgth/s		
	150 mmØ @ 3m/L	22.00	lgth/s		
	Elbows, fittings, coupling, etc.	1.00	lot		
	b. Round vent cap				
	100 mmØ	2.00	lgth/s		
	150 mmØ	13.00	lgth/s		
	Sub-Total				
7.03	REFRIGERANT COPPER PIPES				
	a. Straight pipe copper type L				
	28.60 mmØ (1-1/8"Ø)	12.00	m		
	19.10 mmØ (3/4"Ø)	24.00	m		
	15.90 mmØ (5/8"Ø)	30.00	m		
	12.70 mmØ (1/2"Ø)	96.00	m		
	9.50 mmØ (3/8"Ø)	84.00	m		
	6.40 mmØ (1/4"Ø)	90.00	m		
	b. Elbows, fittings, couplings	1.00	lot		
	c. Ref. branch joint	42.00	pcs		
	d. Pipe insulation 25 mm thick				
	28.60 mmØ (1-1/8"Ø)	12.00	m		
	19.10 mmØ (3/4"Ø)	24.00	m		
	15.90 mmØ (5/8"Ø)	30.00	m		
	12.70 mmØ (1/2"Ø)	96.00	m		
	9.50 mmØ (3/8"Ø)	84.00	m		
	6.40 mmØ (1/4"Ø)	90.00	m		
	Sub-Total				
7.04	Miscellaneous Works				
	HANGERS, SUPPORTS, PLATFORM AND BRACKETS	1.00	lot		
	ELECTRICAL WORKS to include wires, switches, breakers, contactors, controllers, conduits, roughing-ins, etc. to make the system complete and operational	1.00	lot		
	CONDENSATE DRAIN LINE SYSTEM to include insulation, secondary drain pan at FPU's as necessary, etc.	1.00	lot		
	TESTING and COMMISSIONING to include airflow/temp reading and balancing	1.00	lot		
	MISCELLANEOUS and CONSUMABLES to include dismantling of existing mechanical works and disposing, chipping and restoration	1.00	lot		
	Sub-Total				

**PROJECT : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS
(CAMP EXTENSION BUILDING)**

LOCATION : College of Allied Medical Professions, University of the Philippines Manila

SUBJECT : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
8.00	PLUMBING WORKS				
8.01	Sanitary Line				
	100mm x 3m PVC pipe	22.00	pc(s)		
	75mm x 3m PVC pipe	10.00	pc(s)		
	50mm x 3m PVC pipe	20.00	pc(s)		
	100mm x 90° PVC elbow	8.00	pc(s)		
	100mm x 45° PVC elbow	8.00	pc(s)		
	75mm x 90° PVC elbow	5.00	pc(s)		
	75mm x 45° PVC elbow	5.00	pc(s)		
	50mm x 90° PVC elbow	22.00	pc(s)		
	50mm x 45° PVC elbow	22.00	pc(s)		
	100mm x 100mm PVC tee	4.00	pc(s)		
	100mm x 75mm PVC tee	2.00	pc(s)		
	100mm x 50mm PVC tee	2.00	pc(s)		
	100mm x 100mm PVC wye	8.00	pc(s)		
	100mm x 75mm PVC wye	2.00	pc(s)		
	100mm x 50mm PVC wye	12.00	pc(s)		
	50mm PVC P-trap	3.00	pc(s)		
	100mm Cast Iron (C.I.) clean out	5.00	pc(s)		
	75mm Cast Iron (C.I.) clean out	2.00	pc(s)		
	Solvent Cement	10.00	can(s)		
	Pipe Jointing Epoxy	1.00	gal		
	Sub-Total				
8.02	Water Line				
	PPR pipe 32mmx4m	6.00	pc(s)		
	PPR pipe 25mmx4m	8.00	pc(s)		
	PPR pipe 20mmx4m	8.00	pc(s)		
	PPR elbow 32mm	5.00	pc(s)		
	PPR elbow 25mm	5.00	pc(s)		
	PPR elbow 20mm	20.00	pc(s)		
	PPR female elbow 20mmx1/2	12.00	pc(s)		
	PPR tee 63mm x 32mm	1.00	pc(s)		
	PPR elbow 32mm	2.00	pc(s)		
	PPR elbow 25mm	5.00	pc(s)		
	PPR elbow 20mm	10.00	pc(s)		
	PPR female tee 20mmx1/2	12.00	pc(s)		
	PPR reducer 32mm x 25mm	2.00	pc(s)		
	PPR reducer 25mm x 20mm	4.00	pc(s)		
	PPR female adaptor 20mm	10.00	pc(s)		
	PPR male adaptor 32mm	4.00	pc(s)		

PROJECT : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS
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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	PPR male adaptor 25mm	6.00	pc(s)		
	PPR male adaptor 20mm	10.00	pc(s)		
	PPR coupling 32mm	6.00	pc(s)		
	PPR coupling 25mm	5.00	pc(s)		
	PPR coupling 20mm	5.00	pc(s)		
	Gate Valve - 25mm (1")	1.00	pc(s)		
	Gate Valve - 19mm (3/4")	2.00	pc(s)		
	Gate Valve - 12.70mm (1/2")	5.00	pc(s)		
	Teflon Tape	20.00	pc(s)		
	Sub-Total				
8.03	Downspout & Drainage				
	150mm PVC pipe	10.00	pc(s)		
	100mm PVC pipe	20.00	pc(s)		
	50mm PVC pipe	20.00	pc(s)		
	100mm x 50mm PVC wye	10.00	pc(s)		
	50mm x 50mm PVC wye	20.00	pc(s)		
	100mm x 90° PVC elbow	20.00	pc(s)		
	100mm x 45° PVC elbow	20.00	pc(s)		
	50mm x 90° PVC elbow	20.00	pc(s)		
	50mm x 45° PVC elbow	20.00	pc(s)		
	50mm PVC clean out	10.00	pc(s)		
	Solvent Cement	10.00	can(s)		
	Sub-Total				
8.04	Plumbing Fixture & Accessories				
	Elongated Watercloset with tank (18 1/2" length), lever type complete with tank, toilet seat cover and other accessories (including bidet spray)	2.00	set(s)		
	Counter type ceramic lavatory complete with faucet and lever handle and complete with accessories	2.00	set(s)		
	Stainless steel sink complete with fittings and accessories	2.00	set(s)		
	Urinal (wall hung with stall) complete with accessories	1.00	set(s)		
	Floor drain, strainer 4" x 4"	3.00	set(s)		
	Dome type strainer (4" - brass finish)	20.00	set(s)		
	Sub-Total				

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SUBJECT : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
8.05	Miscellaneous Works				
	Hangers and Supports	1.00	lot		
	Testing Works	1.00	lot		
	Restoration Works of all affected areas	1.00	lot		
	Chipping Works for sanitary & waterline; Existing toilet fixtures i.e. water closets, and lavatory and counter top lavatories to be removed	1.00	lot		
	Sub-Total				
SUMMARY					
1.00	GENERAL REQUIREMENTS			PhP	
2.00	SITE PREPARATION WORKS				
3.00	CIVIL / STRUCTURAL WORKS				
4.00	ARCHITECTURAL WORKS				
5.00	ELECTRICAL WORKS				
6.00	AUXILIARY WORKS				
7.00	MECHANICAL WORKS				
8.00	PLUMBING WORKS				
	SUB-TOTAL COST			PhP	
	VAT (Value Added Tax)			12.00%	
	TOTAL PROJECT COST			PhP	
Amount in Words :					
Note:					
* Indirect Cost (OCM, & Profit) included per item unit cost					
* Bonds & Securities and power & water supply consumption are considered as overhead expenses while Plans (As-built plan) is considered as miscellaneous expense which are already included in the computation of OCM (mark-up).					

By the act of submitting this bid, I/we hereby confirm that I/we:

- have inspected the site
- determined the characteristics of the contract works and the conditions for this project
- examined all instructions, forms, terms and project requirements in the Bidding Documents
- was/were given the opportunity to submit queries at least ten(10) calendar days before the submission of bids
- have examined and agreed to the correctness of the Bill of Quantities

Submitted by:

Name and Signature:

Company Name:

Position:

Date: