



## BID FORM

**PROJECT** : INCREASE IN CARRYING CAPACITY FOR COLLEGE OF NURSING AND ALLIED HEALTH PROGRAMS

**LOCATION** : 2nd Floor, Sotejo Hall, College of Nursing, University of the Philippines Manila

**SUBJECT** : Bill of Materials and Cost Estimate

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
<b>1.00</b>	<b>GENERAL REQUIREMENTS</b>				
1.01	Mobilization & Demobilization	1.00	lot		
1.02	Scaffolding, warehouse, board ups, canvass/temporary covering and safety signages	1.00	lot		
1.03	Permits and Clearances	1.00	lot		
1.04	Health and Safety ( PPE, Medkit, Medical check-up/testing as required for new normal etc.)	1.00	lot		
	<b>TOTAL GENERAL REQUIREMENTS COST</b>				
<b>2.00</b>	<b>SITE PREPARATION WORKS</b>				
2.01	Dismantling of existing windows including hauling and disposal of debris	11.00	unit(s)		
2.02	Demolition works of existing counter top at Rm 201&202 (dismantling of existing counter tiles)	20.00	sq.m		
2.03	Demolition works including hauling and disposal of existing wall partition at Rm 206	25.00	sq.m		
2.04	Demolition works including hauling and disposal of existing reception counter at Rm 207	5.00	sq.m		
2.05	Demolition of existing ceiling boards and wooden framings including hauling and disposal of debris	350.00	sq.m		
	<b>TOTAL SITE PREPARTION WORKS</b>				
<b>3.00</b>	<b>ARCHITECTURAL WORKS</b>				
<b>3.01</b>	<b>WINDOWS</b>				
	(W-1) Supply & installation of 6mm thick x 2.23m x 1.76 m t tempered clear glass casement window iwith 8 mil security film on 2"x4" aluminum powder coated frame complete accessories	11.00	set(s)		
	(W-2) Supply & Installation of 6mm thick x 1.17mx 1.76m tempered clear glass casement window iwith 8 mil security film on 2"x4" aluminum powder coated frame complete accessories	1.00	set(s)		
<b>3.02</b>	<b>DOORS</b>				
	(D-1) Refurbishing of existing double panel flush door and door jamb, including repainting; supply and installation of missing door hardware, lockset, handle and door closer.	5.00	unit(s)		
	(D-2) 6.00mm thk. tempered clear glass double swing door, with stainless handle and door accessories in 6.00mm thk tempered fixed glass partition, frosted finish with signage Door Dimension: 1.20m(W) x 2.10m (H) Location: Room 205 (Maternity and Child Nursing)	6.00	unit(s)		

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2.06	<b>CEILING WORKS</b>				
	(CF-01) 0.60m x 0.60m x 9.00mm thk gypsum board ceiling tile on T-runner complete with hangers and supports and anti-bacterial paint finish	350.00	sq.m.		
2.06	<b>PARTITION WORKS</b>				
	<b>Glass Partition</b>				
	(GP-1) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 2.17m(W) x 2.40m (H) Location: Room 205 (Maternity and Child Nursing)	3.00	unit(s)		
	(GP-2) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 3.06m(W) x 2.40m (H) Location: Room 205 (Maternity and Child Nursing)	2.00	unit(s)		
	(GP-3) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 4.00m(W) x 3.43m (H) Location: Room 202 (Surgery Simulation Rm)	1.00	unit(s)		
	(GP-4) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 4.08m(W) x 3.43m (H) Location: Room 202 (Surgery Simulation Rm)	1.00	unit(s)		
	(GP-5) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 3.60m(W) x 2.40m (H) Location: Room 202 (Surgery Simulation Rm)	1.00	unit(s)		
	(GP-6) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 2.65m(W) x 2.40m (H) Location: Room 206 (ICU Simulation Rm)	1.00	unit(s)		
	(GP-7) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 2.40m(W) x 2.40m (H) Location: Room 206 (Reception Area)	1.00	unit(s)		
	(GP-8) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 3.60m(W) x 3.43m (H) Location: Room 201A (Isolation Simulation Rm)	1.00	unit(s)		
	(GP-9) 6.00mm thk. tempered fixed clear glass partition with frosted sticker Partition Dimension: 1.65m(W) x 2.10m (H) Location: Room 202 (Toilet)	1.00	unit(s)		
	(GP-10) 6.00mm thk tempered fixed clear glass partition with frosted sticker Partition Dimension: 0.60m(W) x 2.10m (H) Location: Room 202 (Toilet)	1.00	unit(s)		
	<b>Drywall Partition</b>				
	(WF-02) 6mm thk. Fiber cement board on L.G. steel framing 0.60m x 0.60m spacing, laminated finish	15.00	sq.m		
2.07	<b>PAINTING WORKS</b>				
	(WF-01) Semi-gloss paint finish including surface preparation and putty/skimcoat - interior walls	550.00	sq.m.		
2.08	<b>SUPPLY AND INTALLATION OF MODULAR FURNITURE</b>				
	FRONT DESK 1 Counter Front Desk (Room 207) Description: High pressure laminate (HPL) in 3/4" marine plywood with 12mm thk solid surface Dimension: 2.37m (L) x 0.64m (W) x 1.00m (H)	1.00	unit(s)		
	FRONT DESK 2 Counter Front Desk (Room 205-Maternity & Child Nursing) Description: High pressure laminate (HPL) in 3/4" marine plywood with 12mm thk solid surface Dimension: 2.34m (L) x 0.92m (W) x 1.00m (H)	1.00	unit(s)		

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	CABINET 3 (Room 205-Maternity & Child Nursing) Description: 3/4" thk marine plywood in high pressure laminate (HPL) finish, shelves and cabinet (with sliding door) combination complete with grab handles, concealed hinges, support and accessories Dimension: 2.00m (L) x 0.40m (W) x 2.35m (H)	3.00	unit(s)		
	CABINET 4 (Room 207) Description: Existing hanging cabinets and shelves to be refurbished & repainted in Duco Finished, including replacement of door handles, lockset and accessories.	1.00	unit(s)		
	CABINET 5 (Room 207) Description: Existing cabinets and shelves to be refurbished & repainted in Duco Finished, including replacement of door handles, lockset and accessories. Dimension: 6.10m (L) x 2.76m (H)	1.00	unit(s)		
	CABINET 6 (Room 201 & 202) Description: Existing cabinets and shelves to be refurbished & repainted in Duco Finished, including replacement of door handles, lockset and accessories. Dimension: hanging cabinet - 13.19m (L) x 0.66m (H)	1.00	unit(s)		
	STAFF CHAIRS (Midback Chairs) Arm: Height adjustable midback chairs arm, Base: Nylon base with castor in black finish Mechanism: single lock, synchronize, fix seat Upholstery: Backrest in black mesh and seat in black fabric finish	2.00	unit(s)		
	Head board for oxygen (mock up)	8.00	unit(s)		
	Hospital Bed PE Headboards and punched steel plate surface can be installed and removed; Bed Frame to be welded by profile steel; The surface: treated with electrostatic plastic bed corners and equipped with anti-bump cushion devices.	6.00	unit(s)		
2.08	<b>Miscellaneous Works</b>				
	<u>Solid Surface Countertop</u> (CTF-01) - Supply and installation of 12mm thk solid surface countertop with back splash for Rm 201-202 including painting for existing concrete frame	20.00	sq.m.		
	<u>Grille works &amp; Maintenance ladder</u> Supply and installation of maintenance steel ladder with steel enclosure at 3rd Floor to roof deck in enamel paint finish	1.00	set		
2.09	<b>Waterproofing Works</b>				
	Supply and application of flexible cementitious waterproofing including surface preparation and concrete covering with wire mesh (2coats primer, 3 coats topcoat) - Roof Deck Area	35.00	sq.m.		
	<b>TOTAL ARCHITECTURAL COST</b>				

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
<b>4.00</b>	<b>ELECTRICAL WORKS</b>				
<b>2.01</b>	<b>Wires and Cables (Color Coded)</b>				
	<b>DP-AL to LPP2F</b>				
	14 mm² THHN	90.00	mtr(s)		
	5.5 mm² THHN (G)	30.00	mtr(s)		
	<b>DP-AL TO PUMP</b>				
	8.0 mm² THHN	120.00	mtr(s)		
	5.5 mm² THHN	115.00	mtr(s)		
	2.0 mm² THHN (Float switch signal wire)	100.00	mtr(s)		
	<b>LVSG to ACCU-VRF</b>				
	38 mm² THHN	138.00	mtr(s)		
	14 mm² THHN (G)	46.00	mtr(s)		
	<b>LPP2F to Branches</b>				
	3.5 mm² THHN	14.00	box(s)		
	3.5 mm² THHN (G)	6.00	box(s)		
<b>2.02</b>	<b>Conduit Pipes and Accessories</b>				
	<b>DP-AL to LPP2F</b>				
	32mmØ PVC conduit pipe with fittings and complete accessories	9.00	length(s)		
	<b>DP-AL TO PUMP</b>				
	25mmØ PVC conduit pipe with fittings and complete accessories	25.00	length(s)		
	<b>LVSG to ACCU-VRF</b>				
	40mmØ PVC conduit pipe with fittings and complete accessories	16.00	length(s)		
	<b>LPP2F to Branches</b>				
	20mmØ PVC conduit pipe with fittings and complete accessories	320.00	length(s)		
<b>2.03</b>	<b>Wiring Devices and Lighting Fixtures</b>				
	Single Universal Outlet grounding type w/ plate cover 16A wide series	12.00	unit(s)		
	Duplex Universal Outlet grounding type w/ plate cover 16A wide series	43.00	unit(s)		
	Duplex Universal Grounding type, Ground Fault Circuit Interrupter (GFCI)	2.00	unit(s)		
	200mmdia LED Downlight, 10W, Daylight	2.00	unit(s)		
	600mm X 600mm LED Panel, 40W, Daylight	65.00	unit(s)		
	Single Lighting Switch w/ plate cover 16A wide series	15.00	unit(s)		
	2-gang Lighting Switch w/ plate cover 16A wide series	3.00	unit(s)		
	3-gang Lighting Switch w/ plate cover 16A wide series	3.00	unit(s)		
	Double Operating Room Light 220V, 60hz, single phase	1.00	unit(s)		
	2"x4" PVC utility box	78.00	unit(s)		
	Junction Box	89.00	unit(s)		
	Pullbox	1.00	lot		
	Float Switch, Float type	1.00	unit(s)		

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
2.04	<b>Circuit Breakers and Accessories</b>				
	Panel: DP-AL in NEMA 1 - Surface Mounted Main: 1-175AT, 225AF, 3P, 230V, 25KAIC, MCCB Branches: 1-70AT, 100AF, 3P, 230V, 18KAIC, MCCB 1-40AT, 100AF, 3P, 230V, 10KAIC, MCCB 2-Space, 3P, 230V	1.00	assy.		
	Panel: LPP2F in NEMA 1 - Surface Mounted Main: 1-70AT, 100AF, 3P, 230V, 18KAIC, MCCB Branches: 20-20AT, 50AF, 3P, 230V, 10KAIC, MCCB	1.00	assy.		
	(For Replacement) 20AT, 2 pole, MCCB bolt-on type in panel PPD (ACU)	9.00	assy.		
	ECB, 125AT, 3P, 230V in NEMA 3R (ACCU)	1.00	assy.		
	ECB, 40AT, 3P, 230V in NEMA 3R (PUMP)	1.00	assy.		
	Motor Control Panel (Alternate Control) 5hp, 3Ø, 230v, 60hz, (DOL) 1 - 50AT/100AF, 3P, EZC100F, MCCB 2 - 10AT/50AF, 2P, IC60N, MCB 2 - Magnetic Contactor LC1-D32 2 - Overload Relay LRD-32 2- Push Button Green 2- Push Button Red 2 - Pilot Light Green 2 - Pilot Light Red 2 - Pilot Light Yellow 1 - Selector Switch 3 Position 2- Terminal Block	1.00	assy.		
2.05	<b>Miscellaneous Items</b>				
	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		
	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes, Mica tubes, and other necessary items to be consumed to assure correct installations of Distribution Frames, Telephone Cabinets, conduit runs and wiring devices)	1.00	lot		
	Testing and commissioning	1.00	lot		
	<b>TOTAL ELECTRICAL WORKS</b>				
5.00	<b>MECHANICAL WORKS</b>				
5.01	<b>EQUIPMENT</b>				
	<b>Air Conditioning (VRF System)</b>				
	<b>a. Outdoor Unit/s (ACCU)</b>				
	1. ACCU 2F-A (38 HP cooling cap)	1.00	pcs		
	<b>b. Indoor Unit/s (FCU)</b>				
	1. FCU 2F-1 wall mounted (0.80 HP cap)	1.00	pcs		
	2. FCU 2F-2 wall mounted (1.25 HP cap)	1.00	pcs		
	3. FCU 2F-3 4-way ceiling cassette (1.25 HP cap)	1.00	pcs		
	4. FCU 2F-4 4-way ceiling cassette (2.50 HP cap)	3.00	pcs		
	5. FCU 2F-5 4-way ceiling cassette (3.0 HP cap)	1.00	pcs		
	6. FCU 2F-6 4-way ceiling cassette (4.0 HP cap)	2.00	pcs		
	<b>c. Fresh Air Processing Unit/s (FPU)</b>				
	1. FPU 2F-1A & 1B ceiling concealed ducted (8.0 HP cap)	2.00	pcs		
	<b>d. Accessories (drain pump)</b>	2.00	pcs		

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ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	<b>Ventilation</b>				
	<b>a. Circulating Fan (ceiling flush mounted)</b>				
	1. CF 2F-1 (2500 CFM; 41W input, 220V/1ph/60Hz)	6.00	pcs		
	2. Relocation of existing ceiling cassette exhaust fans	12.00	pcs		
	c/w wires and individual switch				
5.02	<b>FRESH AIR &amp; EXHAUST DUCT (incl. elbows, fittings, plenums, dampers, etc.)</b>				
	<b>a. G.I sheet metal duct</b>				
	Ga. # 26	36.00	sq.m		
	Ga. # 24	89.00	sq.m		
	<b>b. Flexible duct c/w insulation</b>				
	200 mmØ @ 6m/L	2.00	length(s)		
	<b>c. PVC exhaust duct</b>				
	150 mmØ @ 3m/L	10.00	length(s)		
	Elbows, fittings, coupling, etc.	1.00	lot		
	<b>d. Air Filters</b>	1.00	lot		
	<b>e. Duct insulation (polyolefin closed-cell)</b>				
	25 mm thick @ 1.2m x 15m	7.00	shft(s)		
5.03	<b>GRILLES &amp; DIFFUSERS</b>				
	250x250 SCD c/w OBD	12.00	pcs		
	500x500 FAG c/w OBD	2.00	pcs		
	150 mmØ round vent cap	6.00	pcs		
5.04	<b>REFRIGERANT COPPER PIPES</b>				
	<b>a. Straight pipe copper type L</b>				
	41.30 mmØ (1-5/8"Ø)	36.00	m		
	34.90 mmØ (1-3/8"Ø)	6.00	m		
	28.60 mmØ (1-1/8"Ø)	6.00	m		
	19.10 mmØ (3/4"Ø)	48.00	m		
	15.90 mmØ (5/8"Ø)	42.00	m		
	12.70 mmØ (1/2"Ø)	6.00	m		
	9.50 mmØ (3/8"Ø)	48.00	m		
	6.40 mmØ (1/4"Ø)	6.00	m		
	<b>b. Elbows, fittings, couplings</b>	1.00	lot		
	<b>c. Ref. branch joint</b>	21.00	pcs		
	<b>d. Pipe insulation 25 mm thick</b>				
	41.30 mmØ (1-5/8"Ø)	36.00	m		
	34.90 mmØ (1-3/8"Ø)	6.00	m		
	28.60 mmØ (1-1/8"Ø)	6.00	m		
	19.10 mmØ (3/4"Ø)	48.00	m		
	15.90 mmØ (5/8"Ø)	42.00	m		
	12.70 mmØ (1/2"Ø)	6.00	m		
	9.50 mmØ (3/8"Ø)	48.00	m		
	6.40 mmØ (1/4"Ø)	6.00	m		

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5.05	<b>Miscellaneous Works</b>				
	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		
	<b>TOTAL MECHANICAL WORKS</b>				
6.00	<b>PLUMBING WORKS</b>				
6.01	<b>Water Tank and accessories</b>				
	Water Tank 5000 gallons w/ metal stand and ladder (stainless)	1.00	unit(s)		
	Centifugal pump 5.0Hp, 3 phase	2.00	unit(s)		
	PPR pipe 63mmx4m	12.00	pc(s)		
	PPR Pipe union male adapter 63mm	10.00	pc(s)		
	PPR elbow 63x90	15.00	pc(s)		
	PPR tee 63mmx63mm	6.00	pc(s)		
	PPR male adapter 63mm	35.00	pc(s)		
	Gate valve 2"	11.00	pc(s)		
	Check valve 2"	2.00	pc(s)		
	Foot Valve 2"	2.00	pc(s)		
	Float Valve 2"	1.00	pc(s)		
	Teflon Tape	50.00	pc(s)		
6.02	<b>Waterline &amp; Sanitary Line for Surgical Sink</b>				
	PPR pipe 25mmx4m	1.00	pc(s)		
	PPR pipe 20mmx4m	1.00	pc(s)		
	PPR female elbow 25mmx1/2	1.00	pc(s)		
	PPR female elbow 20mmx1/2	1.00	pc(s)		
	PPR tee 25mmx25mm	1.00	pc(s)		
	PVC pipe 2" x 3m	3.00	pc(s)		
	PVC wye 4" x 2"	1.00	pc(s)		
	PVC elbow 2" x 90	4.00	pc(s)		
	PVC tee 2" x 2"	2.00	pc(s)		
6.03	<b>Plumbing Fixture</b>				
	Elongated Watercloset with tank (18 1/2" length), lever type complete with tank, toilet seat cover and other accessories (including bidet spray)	1.00	set(s)		
	Wall mounted (semi-pedestal) ceramic lavatory with faucet complete with accessories	1.00	set(s)		
	Counter type ceramic lavatory complete with faucet and lever handle and complete with accessories	4.00	set(s)		
	Stainless surgical sink with complete accessories	1.00	unit(s)		

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6.04	<b>Miscellaneous Works</b>				
	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		
	Dismantling of existing elevated water tank and existing plumbing fixture	1.00	lot		
	<b>TOTAL PLUMBING WORKS</b>				

**\*\*\*SUMMARY\*\*\***

- 1.00 GENERAL REQUIREMENTS
- 2.00 SITE PREPARATION WORKS
- 3.00 ARCHITECTURAL WORKS
- 4.00 ELECTRICAL WORKS
- 5.00 MECHANICAL WORKS
- 6.00 PLUMBING WORKS

**PhP**

**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:**

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

**Submitted by:**

Name and Signature:

Company Name:

Position:

Date: