



UNIVERSITY OF THE PHILIPPINES MANILA
Campus Planning, Development and Maintenance Office
 Padre Faura St. Ermita, Manila 1000, Philippines
 Tel: (632) 525 2233 • (632) 526 8420 • (632) 814 1258 • (632) 814 1257



PROJECT : UPGRADING OF HEALTH SCIENCE EDUCATION LABORATORIES

LOCATION : Third Floor, Lara Hall
 College of Public Health
 University of the Philippines Manila

SUBJECT : BIDFORM

ITEM	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
1.00	GENERAL REQUIREMENTS				
	Mobilization & Demobilization	1.00	lot		
	Warehouse, board ups, canvass/temporary covering and safety signages	1.00	lot		
	Temporary Field Office and Living Quarters	1.00	lot		
	Health and Safety (PPE, Medkit, Medical check-up/testing as required for new normal etc.)	1.00	lot		
	TOTAL GENERAL REQUIREMENTS				
2.00	DEMOLITION WORKS				
	Removal of Existing Architectural Finishes, Electrical, Auxiliary, Plumbing, Mechanical and Fire Protection System	1.00	Lump Sum		
	TOTAL GENERAL REQUIREMENTS				
3.00	ARCHITECTURAL WORKS				
	THIRD FLOOR				
	MASONRY WORKS				
	150 mm thick Chb	655.44	sq.m		
	Plastering	1,310.88	sq.m		
	Sub-total Amount				
	METALS				
	Stair Railings , Tubular Steel and Gate				
	50 mm B.I. Pipe Stair	126.65	lm		
	50 mm SS Railings and Ramp	13.30	l.m		
	5 mm Thick Checkered Plate	46.42	sqm		
	Groove Nosing	56.00	lm		
	Sub-total Amount				

	THERMAL AND MOISTURE PROTECTION				
	Waterproofing				
	WP-1 Flexible Cementitious Waterproofing by Crystalization Rigid Cement Based Single Component Polymer Modified Waterproofing that Withstand Hydrostatic Pressure Hard and Abrasion Resistant, Vapor Permeable and VOC Complaint	701.97	sq.m		
	Sub-total Amount				
	OPENINGS				
	Doors including Jambs & Finish Hardware				
	ED2-Existing Double Leaf Wooden Door with Fixed and Awning Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	2.00	pcs		
	ED3-Existing Single Leaf Wooden Door with Fixed and Awning Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	6.00	pcs		
	ED4a-Existing Single Leaf Wooden Door with Fixed Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	15.00	pcs		
	ED7a-Existing Single Leaf Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	3.00	pcs		
	ED8-Existing Single Leaf Wooden Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	2.00	pcs		
	D9- 45mm thk. Gauge 18mm Fire Rated Single Leaf Metal Door 1.00mx2.40m in Automotive Lacquer Paint Finish with complete hardware accessories (Ball Bearing Hinges, Panic Hardware, Lever Trim)	4.00	pcs		
	D10A- 45mm thk. Single Leaf Hollow Metal Door 0.90mx2.10m in Automotive Lacquer Paint Finish on 1.3mm thk Gauge in Hollow Metal Frames with complete hardware accessories (Ball Bearing Hinges, Door Knobs, Lock sets, Deadbolts)	3.00	pcs		
	D10B- 45mm thk. Single Leaf Hollow Metal Door 0.80mx2.10m in Automotive Lacquer Paint Finish on 1.3mm thk Gauge in Hollow Metal Frames with complete hardware accessories (Ball Bearing Hinges, Door Knobs, Lock sets, Deadbolts)	1.00	pc		
	Windows including Frames and Accessories				
	EW5-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	21.00	pcs		
	EW5-Existing (EW-5) Portion to Be Demolish to Provide Fire Exit Door in Compliance with Fire Code, Panic Door Will Adjust Base on Interior Floor Level	1.00	pc		

	EW6-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	6.00	pcs		
	EW6-Existing (EW-6) Portion to be Demolish to Provide Fire Exit Door in Compliance with Fire Code. Panic Door will Adjust Based on Interior Floor Level	1.00	pc		
	EW7a-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	1.00	pc		
	EW7b-Existing Steel and Clear Glass Awning Window (steel window to be restored and refurbish; such as sanding, repainting etc.) (Glass window to be demolished and to be replaced with steel awning window)	1.00	pc		
	EW8-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	2.00	pcs		
	EW9-Existing Glass Awning Window (to be demolished and to be replaced with steel awning windows)	2.00	pcs		
	Sub-total Amount				
	FINISHES				
	Floor Finishes				
	FF-1 600 mm x 600 mm Concrete Tiles	271.20	sqm		
	FF-2 600 mm x 600 mm Porcelain Tiles (Unglazed)	38.20	sqm		
	FF-5 Bare Concrete Finish	9.00	sqm		
	FF-6 3mm thk Rolled Vinyl	556.30	sqm		
	FF-7 Granite Tile	44.50	sqm		
	Screeding 20 mm thick	353.90	sqm		
	Screeding 36 mm thick	566.30	sqm		
	Wall Finishes				
	100 mm Thick Drywall	24.58	sqm		
	WF-1a Exterior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	503.80	sqm		
	WF-1b Interior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	1,864.43	sqm		
	WF-3 300 mm x 600 mm Porcelain Tiles	114.03	sqm		
	Operable Wall	37.10	sqm		
	Ceiling Finishes				
	CF-01 12mm THK. Gypsum Board in Flat Paint Finish on Aluminum T Runner Framing Spaced @ 600 x 600 on Center Bothways	754.84	sq.m		
	CF-02 12mm THK. Moisture Resistance Gypsum Board in Flat Paint Finish on Aluminum T Runner Framing Spaced @ 600 x 600 on Center Bothways	32.30	sq.m		
	EXP-1 Exposed Slab in Paint Finish	43.80	sq.m		

	Epoxy Painting (Steel Railings)	168.95	sq.m		
	Sub-total Amount				
	SPECIALTIES				
	Toilet Accessories				
	Toilet Partition	7.00	pcs		
	Lavatory Under Mount Oval Lavatory	7.00	pcs		
	Countertop Granite Finish	7.90	lm		
	Urinal	5.00	pcs		
	Watercloset Flush Valve Siphon Wash Flashing	8.00	pcs		
	Urinal Partition	3.00	pcs		
	Slope Sink	0.85	lm		
	SS Grab Bar L Type	1.00	pc		
	6 mm thick Glass Mirror Satin Finish Anodized Aluminum Frame 600 mm W x 800 mm H SS	7.00	pcs		
	100 mm x 100 mm Stainless Floordrain	5.00	pcs		
	Faucet	7.00	pcs		
	Small Sink with Faucet	52.00	pcs		
	Emergency Shower	9.00	pcs		
	Signages				
	Light Box L1200 x D160 x H1200 Acrylic Lighted Bothsides	8.00	pcs		
	Sub-total Amount				
	THIRD MEZZANINE FLOOR				
	MASONRY WORKS				
	150 mm thk Chb	73.90	sq.m		
	Plastering	147.80	sq.m		
	Sub-total Amount				
	OPENINGS				
	Doors including Jambs & Finish Hardware				
	ED10a- Existing Single Leaf Metal Door (to be restored and refurbish) such as re-sanding, repaint etc.	1.00	pc		
	Sub-total Amount				
	FINISHES				
	Floor Finishes				
	FF-1 600 mm x 600 mm Homogenous Porcelain Tiles	86.00	sq.m		
	Wall Finishes				
	WF-1b Interior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	199.18	sq.m		
	Ceiling Finishes				
	EXP-1 Exposed Slab in Paint Finish	85.50	sq.m		

	Sub-total Amount				
	TOTAL ARCHITECTURAL				
4.00	FIRE PROTECTION SYSTEM				
	FIRE PROTECTION DISTRIBUTION MATERIALS				
	Third Floor				
	Floor Control Valve Assembly				
	OS&Y Gate Valve, 4" Ø (100 mm)	1.00	Piece/s		
	Water Flow Switch, 4" Ø (100 mm)	1.00	Piece/s		
	Supervisory Switch	1.00	Piece/s		
	25 mm Ø Test & Drain Valve	1.00	Piece/s		
	32 mm Ø Section Drain Valve	1.00	Piece/s		
	25 mm Sight Glass	1.00	Piece/s		
	Pressure Gauge	1.00	Piece/s		
	Flushing Valve (Normally Closed)				
	Flushing Valve, 1-1/2" Ø (40 mm)	1.00	Piece/s		
	Fire Hose Valve				
	Fire Hose Valve, 2-1/2" Ø (65 mm) - Dry Standpipe Connection	1.00	Piece/s		
	Fire Hose Cabinet	1.00	Set/s		
	Fire Hose Cabinet - Complete with standard accessories				
	to include multipurpose 10 lbs. (4.54 kg) ABC dry chemical fire extinguisher				
	B.I. Pipe Sch. 40 x 6 m Length				
	100 mm Ø	4.00	Length		
	75 mm Ø	4.00	Length		
	65 mm Ø	4.00	Length		
	50 mm Ø	6.00	Length		
	40 mm Ø	12.00	Length		
	32 mm Ø	9.00	Length		
	25 mm Ø	36.00	Length		
	B.I. Fittings	1.00	Lot		
	Pipe Hanger and Support	1.00	Lot		
	Consumable Materials	1.00	Lot		
	Testing and Commissioning (Pressure Leak Test)	1.00	Lot		
	Sub-Total Amount				

	Third Floor Mezzanine				
	B.I. Pipe Sch. 40 x 6 m Length				
	100 mm Ø	4.00	Length		
	40 mm Ø	2.00	Length		
	32 mm Ø	1.00	Length		
	25 mm Ø	6.00	Length		
	B.I. Fittings	1.00	Lot		
	Pipe Hanger and Support	1.00	Lot		
	Consumable Materials	1.00	Lot		
	Testing and Commissioning (Pressure Leak Test)	1.00	Lot		
	Sub-Total Amount				
	TOTAL FIRE PROTECTION SYSTEM				
5.00	PLUMBING & SANITARY WORKS				
	STORM DRAINAGE SYSTEM				
	Third Floor				
	PVC Pipe, Series 1000, 3m Length				
	100 mm Ø	19.00	Length		
	Condensate Drain				
	PVC Pipe, Series 1000, 3m Length				
	100 mm Ø	2.00	Length		
	75 mm Ø	4.00	Length		
	50 mm Ø	17.00	Length		
	PVC Blue Pipe, 3 m Length				
	32 mm Ø	34.00	Length		
	25 mm Ø	25.00	Length		
	Rubber Insulation				
	100 mm Ø x 2 m L x 25 mm Thick	3.00	Length		
	75 mm Ø x 2 m L x 25 mm Thick	6.00	Length		
	50 mm Ø x 2 m L x 25 mm Thick	26.00	Length		
	32 mm Ø x 2 m L x 25 mm Thick	51.00	Length		
	25 mm Ø x 2 m L x 25 mm Thick	38.00	Length		
	Ceiling Clean-out (PVC)				
	100 mm Ø	2.00	Piece/s		
	75 mm Ø	1.00	Piece/s		
	50 mm Ø	2.00	Piece/s		
	32 mm Ø	2.00	Piece/s		
	Pipe Connectors, Fittings and Accessories	1.00	Lot		

Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
Miscellaneous and Consumables	1.00	Lot		
Testing Works (Leak and Gravity Test)	1.00	Lot		
Dismantling, Chipping & Restoration Works	1.00	Lot		
Sub-Total Amount				
Mezzanine Third Floor				
PVC Pipe, Series 1000, 3m Length				
100 mm Ø	13.00	Length		
Condensate Drain				
PVC Pipe, Series 1000, 3m Length				
100 mm Ø	1.00	Length		
Rubber Insulation				
100 mm Ø x 2 m L x 25 mm Thick	2.00	Length		
Pipe Connectors, Fittings and Accessories	1.00	Lot		
Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
Miscellaneous and Consumables	1.00	Lot		
Testing Works (Leak and Gravity Test)	1.00	Lot		
Dismantling, Chipping & Restoration Works	1.00	Lot		
Sub-Total Amount				
SEWER AND VENT SYSTEM				
Third Floor				
HDPE Pipe, SDR 26, 6m Length				
100 mm Ø	15.00	Length		
HDPE Pipe, SDR 21				
75 mm Ø, 6m Length	61.00	Length		
50 mm Ø, 60m Length	9.00	Length		
PVC Pipe, Series 1000, 3m Length				
150 mm Ø	2.00	Length		
100 mm Ø	23.00	Length		
75 mm Ø	16.00	Length		
50 mm Ø	58.00	Length		
Floor Drain (Brass Top w/ Cast Iron Body)				
100 mm Ø	10.00	Piece/s		
75 mm Ø	8.00	Piece/s		
Floor Clean-out (Brass)				
100 mm Ø	14.00	Piece/s		
75 mm Ø	27.00	Piece/s		
50 mm Ø	1.00	Piece/s		
Ceiling Clean-out (HDPE)				

	100 mm Ø	8.00	Piece/s		
	75 mm Ø	17.00	Piece/s		
	Ceiling Clean-out (PVC)				
	150 mm Ø	1.00	Piece/s		
	100 mm Ø	2.00	Piece/s		
	Pipe Connectors, Fittings and Accessories	1.00	Lot		
	Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
	Miscellaneous and Consumables	1.00	Lot		
	Testing Works (Leak and Gravity Test)	1.00	Lot		
	Dismantling, Chipping & Restoration Works	1.00	Lot		
	Sub-Total Amount				
	Mezzanine Third Floor				
	HDPE Pipe, SDR 26, 6m Length				
	100 mm Ø	3.00	Length		
	HDPE Pipe, SDR 21, 6m Length				
	75 mm Ø	6.00	Length		
	PVC Pipe, Series 1000, 3m Length				
	150 mm Ø	1.00	Length		
	100 mm Ø	3.00	Length		
	75 mm Ø	3.00	Length		
	50 mm Ø	2.00	Length		
	Pipe Connectors, Fittings and Accessories	1.00	Lot		
	Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
	Miscellaneous and Consumables	1.00	Lot		
	Testing Works (Leak and Gravity Test)	1.00	Lot		
	Dismantling, Chipping & Restoration Works	1.00	Lot		
	Sub-Total Amount				
	WATER SUPPLY SYSTEM				
	Third Floor				
	Water Pipe				
	PPR Pipe, PN-20, 4m Length				
	40 mm Ø	6.00	Length		
	32 mm Ø	44.00	Length		
	25 mm Ø	75.00	Length		
	20 mm Ø	166.00	Length		
	12 mm Ø	21.00	Length		
	Pipe Connectors, Fittings and Accessories	1.00	Lot		
	Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
	Miscellaneous and Consumables	1.00	Lot		
	Testing Works (Leak and Pressure Test)	1.00	Lot		
	Dismantling, Chipping & Restoration Works	1.00	Lot		

	Valves / Water Control & Accessories				
	Gate Valve				
	32 mm Ø	8.00	Piece/s		
	25 mm Ø	18.00	Piece/s		
	20 mm Ø	12.00	Piece/s		
	12 mm Ø	5.00	Piece/s		
	Consumables	1.00	Lot		
	Sub-Total Amount				
	Mezzanine Third Floor				
	Water Pipe				
	PPR Pipe, PN-20, 4m Length				
	40 mm Ø	1.00	Length		
	Pipe Connectors, Fittings and Accessories	1.00	Lot		
	Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
	Miscellaneous and Consumables	1.00	Lot		
	Testing Works (Leak and Pressure Test)	1.00	Lot		
	Dismantling, Chipping & Restoration Works	1.00	Lot		
	Sub-Total Amount				
	PUMP AND TANK				
	Duplex Type Booster Pump, including Bladder Tank	2.00	Set/s		
	Type: Vertical In-line				
	Each Pump Rating: 65 GPM, 190 FT. TDH				
	Drive: Electric Motor, Closed Coupled				
	Motor Rating: 5HP, 1800RPM, 230V, 3Ph, 60Hz				
	w/ Duplex Type Variable Frequency Drive Controller				
	Bladder Tank - 3				
	Capacity: 80 Gallons				
	Membrane				
	Pump Operation / Performance Test	1.00	Lot		
	Sub-Total Amount				
	TOTAL PLUMBING AND SANITARY WORKS				
6.00	HEATING, VENTILATION & AIR CONDITIONING SYSTEM				
	AIR CONDITIONING EQUIPMENTS				

	Third Floor				
	FCU - VRF				
	Wall Mounted Type, Inverter				
	FCU 3-5A/5B				
	7.1 KW (2.0 TR) Cooling Capacity, 700 CFM, 230V/1Phase/60Hz	2.00	Unit/s		
	FCU 3-5C				
	2.2 KW (0.6 TR) Cooling Capacity, 210 CFM, 230V/1Phase/60Hz	2.00	Unit/s		
	4-Way Ceiling Cassette Type, Inverter				
	FCU 3 -3A				
	9.0 KW (2.6 TR) Cooling Capacity, 910 CFM, 230V/1Phase/60Hz	5.00	Unit/s		
	FCU 3 -1A/2A/4A				
	7.1 KW (2.0 TR) Cooling Capacity, 700 CFM, 230V/1Phase/60Hz	12.00	Unit/s		
	Ceiling Suspended Type, Inverter				
	FCU 3 -2B/4B				
	7.1 KW (2.0 TR) Cooling Capacity, 700 CFM, 230V/1Phase/60Hz	3.00	Unit/s		
	AHU - VRF				
	Horizontal Type, Draw Through, Horizontal Discharge, 230V/3Phase/60Hz				
	PAHU-1.1, 45 TR (540000 BTU/Hr)	1.00	Unit/s		
	PAHU-1.2, 45 TR (540000 BTU/Hr)	1.00	Unit/s		
	ACCU - VRF				
	ACCU - VRF				
	Top Discharge, 220V/3Phase/60Hz w/ scroll compressor, rust coated panels and aluminum fins, Cooling media 410A				
	ACCU 3-1, 40.0 KW Cooling Capacity	1.00	Unit/s		
	ACCU 3-2, 40.0 KW Cooling Capacity	1.00	Unit/s		
	ACCU 3-3, 45.0 KW Cooling Capacity	1.00	Unit/s		
	ACCU 3-4, 40.0 KW Cooling Capacity	1.00	Unit/s		
	ACCU 3-5, 22.4 KW Cooling Capacity	1.00	Unit/s		
	ACCU - VRF, DX Type				
	ACCU 3M-1, 162 KW (46.29 TR) Cooling Capacity	1.00	Unit/s		
	ACCU 3M-2, 162 KW (46.29 TR) Cooling Capacity	1.00	Unit/s		
	Equipment Support & Concrete Pad	1.00	Lot		
	Sub-Total Amount				
	VENTILATION EQUIPMENTS				

	Third Floor				
	Ceiling Cassette Fan				
	Complete with standard accessories, direct drive, 230V/1Phase/60Hz				
	EF-1, 60 CFM air flow rate at 0.5 ESP, 0.06 kW motor	3.00	Unit/s		
	EF-2, 150 CFM air flow rate at 0.75" ESP, 0.06 kW motor	1.00	Unit/s		
	TEF-3, 100 CFM air flow rate at 0.75" ESP, 0.06 kW motor	1.00	Unit/s		
	Centrifugal In-line Fan				
	Complete with standard accessories, direct drive, 230V/1Phase/60Hz				
	TEF-1, 500 CFM air flow rate at 1.5" ESP, 0.19 kW motor	1.00	Unit/s		
	TEF-2, 400 CFM air flow rate at 1.5" ESP, 0.19 kW motor	1.00	Unit/s		
	EF-6, 650 CFM air flow rate at 1.5" ESP, 0.19 kW	6.00	Unit/s		
	EF-12, 2050 CFM air flow rate at 1.5" ESP, 0.75 kW	2.00	Unit/s		
	Equipment Support	1.00	Lot		
	Sub-Total Amount				
	Mezzanine Third Floor				
	Ceiling Cassette Fan				
	Complete with standard accessories, direct drive, 230V/1Phase/60Hz				
	EF-2, 150 CFM air flow rate at 0.75" ESP, 0.06 kW motor	1.00	Unit/s		
	Centrifugal In-line Fan				
	Complete with standard accessories, direct drive, 230V/1Phase/60Hz				
	EF-8, 400 CFM air flow rate at 1.5" ESP, 0.19 kW motor	2.00	Unit/s		
	EF-9, 800 CFM air flow rate at 1.5" ESP, 0.37 kW motor	2.00	Unit/s		
	EF-10, 1700 CFM air flow rate at 1.5" ESP, 0.56 kW motor	2.00	Unit/s		
	EF-11, 2200 CFM air flow rate at 1.5" ESP, 0.75 kW motor	2.00	Unit/s		
	Equipment Support	1.00	Lot		
	Sub-Total Amount				
	AIR CONDITIONING PIPING WORKS				
	Third Floor				

	Refrigerant Piping System				
	Copper Pipes - Hard Drawn Type L, Schedule 40, Seamless				
	28.6 mm (1-1/8") Ø x 6m Length	24.00	Length/s		
	22.2 mm (7/8") Ø x 6m Length	2.00	Length/s		
	19.1 mm (3/4") Ø x 6m Length	10.00	Length/s		
	15.6 mm (5/8") Ø x 6m Length	17.00	Length/s		
	12.7 mm (1/2") Ø x 6m Length	28.00	Length/s		
	9.5 mm (3/8") Ø x 6m Length	29.00	Length/s		
	6.5 mm (1/4") Ø x 6m Length	8.00	Length/s		
	Copper Elbow, Schedule 40, Seamless				
	28.6 mm (1-1/8") Ø x 90 degree	36.00	Piece/s		
	22.2 mm (7/8") Ø x 90 degree	8.00	Piece/s		
	19.1 mm (3/4") Ø x 90 degree	38.00	Piece/s		
	15.6 mm (5/8") Ø x 90 degree	48.00	Piece/s		
	12.7 mm (1/2") Ø x 90 degree	64.00	Piece/s		
	9.5 mm (3/8") Ø x 90 degree	89.00	Piece/s		
	6.5 mm (1/4") Ø x 90 degree	48.00	Piece/s		
	Closed Cell Elastomeric (CCE) Rubber Insulation - Class 1 x 3/4" thick				
	28.6 mm (1-1/8") Ø x 1.82 m Length	80.00	Length/s		
	22.2 mm (7/8") Ø x 1.82 m Length	7.00	Length/s		
	19.1 mm (3/4") Ø x 1.82 m Length	33.00	Length/s		
	15.6 mm (5/8") Ø x 1.82 m Length	57.00	Length/s		
	12.7 mm (1/2") Ø x 1.82 m Length	93.00	Length/s		
	9.5 mm (3/8") Ø x 1.82 m Length	96.00	Length/s		
	6.5 mm (1/4") Ø x 1.82 m Length	27.00	Length/s		
	AC Accessories				
	Wired Remote Controller (Navigation Remote Controller)	24.00	Piece/s		
	Branch Pipe	24.00	Piece/s		
	AC Controls				
	Wire				
	14 mm² THHN/ THWN-2	1,416.00	Linear Meter/s		

	5.5 mm ² THHN/ THWN-2	354.00	Linear Meter/s		
	Raceway				
	32 mm Ø IMC	11.00	Length/s		
	32 mm Ø Flexible Metal Conduit (liquid tight)	354.00	Linear Meter/s		
	Conduit Fittings and Supports	1.00	Lot		
	Disconnect Switch - Enclosed Circuit Breaker				
	200 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	2.00	Assembly		
	70 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	1.00	Assembly		
	60 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	3.00	Assembly		
	40 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	1.00	Assembly		
	Consumable Materials	1.00	Lot		
	Pipe Hanger & Support	1.00	Lot		
	Sub-Total Amount				
	VENTILATION AND AIR-CONDITIONING DUCT WORKS				
	<i>Ventilation include Fresh/Supply Air, Exhaust, Toilet Exhaust, Smoke Extraction Duct</i>				
	Third Floor				
	G.I. Sheets				
	(for Ventilation)				
	Gauge 24, 4ft x 8ft	45.00	Sheet/s		
	Fresh Air Grille, double deflection, aluminum movable blade in G.I. frame, oven baked enamel paint finish				
	300 mm x 300 mm	9.00	Piece/s		
	200 mm x 200 mm	1.00	Piece/s		
	Exhaust Air Grille, single fixed blade, 45 degree deflection, G.I. construction, oven baked enamel paint finish				
	300 mm x 300 mm	3.00	Piece/s		
	250 mm x 250 mm	1.00	Piece/s		
	150 mm x 150 mm	7.00	Piece/s		

	Smoke Exhaust Grille, single fixed blade, 45 degree deflection, G.I. construction, oven baked enamel paint finish				
	950 mm x 550 mm	1.00	Piece/s		
	Exhaust Air Louver, fixed 45 degree blade, aluminum construction, oven baked white enamel paint finish				
	1300 mm x 400 mm	1.00	Piece/s		
	450 mm x 250 mm	5.00	Piece/s		
	Manual Volume Damper				
	450 mm x 300 mm	1.00	Piece/s		
	400 mm x 250 mm	1.00	Piece/s		
	300 mm x 300 mm	5.00	Piece/s		
	300 mm x 150 mm	4.00	Piece/s		
	200 mm x 150 mm	1.00	Piece/s		
	150 mm x 150 mm	7.00	Piece/s		
	Aluminum Vent Cap				
	150 mm Ø	5.00	Piece/s		
	Duct Accessories & Consumable Materials	1.00	Lot		
	Duct Hangers / Supports	1.00	Lot		
	Sub-Total Amount				
	Mezzanine Third Floor				
	G.I. Sheets				
	(for Ventilation and Air-Conditioning)				
	Gauge 24, 4ft x 8ft	135.00	Sheet/s		
	Gauge 26, 4ft x 8ft	47.00	Sheet/s		
	Polyolefin Insulation with Foil & Adhesive, 1.2m x 25m x 25mm	14.00	Sheet/s		
	(for Air-Conditioning only, insulation not applicable for Ventilation works)				
	Fresh Air Grille, double deflection, aluminum movable blade in G.I. frame, oven baked enamel paint finish				
	300 mm x 300 mm	9.00	Piece/s		
	200 mm x 200 mm	12.00	Piece/s		
	150 mm x 150 mm	2.00	Piece/s		
	Exhaust Air Grille, single fixed blade, 45 degree deflection, G.I. construction, oven baked enamel paint finish				
	300 mm x 300 mm	2.00	Piece/s		
	200 mm x 200 mm	6.00	Piece/s		
	150 mm x 150 mm	4.00	Piece/s		

	Fresh Air Louver, fixed 45 degree blade, aluminum construction, oven baked white enamel paint finish				
	900 mm x 750 mm	1.00	Piece/s		
	Exhaust Air Louver, fixed 45 degree blade, aluminum construction, oven baked white enamel paint finish				
	1200 mm x 350 mm	1.00	Piece/s		
	1100 mm x 350 mm	1.00	Piece/s		
	650 mm x 400 mm	2.00	Piece/s		
	450 mm x 250 mm	1.00	Piece/s		
	400 mm x 200 mm	2.00	Piece/s		
	Manual Volume Damper				
	550 mm x 500 mm	1.00	Piece/s		
	500 mm x 450 mm	1.00	Piece/s		
	450 mm x 400 mm	1.00	Piece/s		
	400 mm x 400 mm	2.00	Piece/s		
	400 mm x 250 mm	1.00	Piece/s		
	350 mm x 300 mm	1.00	Piece/s		
	300 mm x 300 mm	2.00	Piece/s		
	300 mm x 250 mm	1.00	Piece/s		
	300 mm x 200 mm	5.00	Piece/s		
	300 mm x 150 mm	1.00	Piece/s		
	250 mm x 200 mm	4.00	Piece/s		
	200 mm x 200 mm	5.00	Piece/s		
	200 mm x 150 mm	16.00	Piece/s		
	150 mm x 150 mm	11.00	Piece/s		
	Backdraft Damper				
	650 mm x 650 mm	4.00	Piece/s		
	450 mm x 300 mm	2.00	Piece/s		
	350 mm x 200 mm	1.00	Piece/s		
	300 mm x 200 mm	1.00	Piece/s		
	250 mm x 200 mm	1.00	Piece/s		
	Aluminum Vent Cap				
	150 mm Ø	1.00	Piece/s		
	Duct Accessories & Consumable Materials	1.00	Lot		
	Duct Hangers / Supports	1.00	Lot		
	Sub-Total Amount				
	TESTING, START-UP, HAND-OVER INSPECTION & ACCEPTANCE				
	Third Floor				
	Installation Testing & Acceptance				
	Refrigerant Line - Pressure Leak Test	1.00	Lot		
	Leak Test for Duct	1.00	Lot		

	Air Balancing / Adjusting Work for every Volume Damper of Ventilation and AC	1.00	Lot		
	Equipment Testing & Start-up				
	AC System - Operation Test & Start-up (w/ Charging of Refrigerant)	1.00	Lot		
	Ventilation System - Operation Test	1.00	Lot		
	Mezzanine Third Floor				
	Installation Testing & Acceptance				
	Leak Test for Duct	1.00	Lot		
	AC	1.00	Lot		
	Equipment Testing & Start-up				
	Ventilation System - Operation Test	1.00	Lot		
	Sub-Total Amount				
	TOTAL HEATING, VENTILATION & AIR CONDITIONING SYSTEM				
7.00	ELECTRICAL WORKS				
	Switchboards and Panelboards				
	Third Floor Panels				
	DP3 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-325AT/400AF,3P,230V,36KAIC MCCB				
	Branches: 1-175AT/225AF,3P,230V MCCB				
	1-80AT/100AF,3P,230V MCCB				
	2-50AT/50AF,3P,230V MCCB				
	PP3a in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-175AT/225AF,3P,230V, 18KAIC MCCB				
	Branches: 2-30AT/50AF,2P,230V MCCB				
	22-20AT/50AF,2P,230V MCCB				
	PPAC3 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-80AT/100AF,3P,230V, 10KAIC MCCB				
	Branches: 24-20AT/50AF,2P,230V MCCB				
	PP3 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-50AT/50AF,3P,230V, 10KAIC MCCB				
	Branches: 18-20AT/50AF,2P,230V MCCB				

	LP3 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-50AT/50AF,3P,230V, 10KAIC MCCB				
	Branches: 12-20AT/50AF,2P,230V MCCB				
	Sub-Total Amount				
	Enclosed Circuit Breaker				
	THIRD FLOOR ECB (Equipments)				
	ECB 100AT, 100AF, 3P, 230V, NEMA 3R Enclosure (ACCU 3-3)	1.00	assy		
	ECB 80AT, 100AF, 3P, 230V, NEMA 3R Enclosure (ACCU 3-1, 2, &4)	3.00	assy		
	ECB 40AT, 50AF, 3P, 230V, NEMA 3R Enclosure (ACCU 3-5)	1.00	assy		
	THIRD FLOOR MEZZANINE ECB (Equipments)				
	ECB 400AT, 400AF, 3P, 230V, NEMA 3R Enclosure (ACCU 3M-1&2)	2.00	assy		
	ECB 40AT, 50AF, 3P, 230V, NEMA 3R Enclosure (PAHU 1.1 & 1.2)	2.00	assy		
	Sub-Total Amount				
	Wires				
	Third Floor Wires				
	175mm2 THHN (DP3)	156.00	lm		
	60mm2 THHN	22.00	lm		
	30mm2 TW (DP3) G	52.00	lm		
	22mm2 THHN	23.00	lm		
	14mm2 THHN (ACCU 3-5,3)	210.00	lm		
	14mm2 TW	8.00	lm		
	8mm2 THHN (ACCU 3-4,1,2)	313.00	lm		
	5.5mm2 THHN	710.00	lm		
	5.5mm2 TW (ACCU 3-4,5,1,2,3) G	501.00	lm		
	3.5mm2 THHN	4,951.00	lm		
	3.5mm2 TW	2,476.00	lm		
	Wiring Connectors	1.00	lot		
	Third Floor Mezzanine Wires				
	125mm2 THHN (ACCU 3M.1&2)	285.00	lm		
	22mm2 TW (ACCU 3M.1&2) G	95.00	lm		
	5.5mm2 THHN	271.00	lm		
	5.5mm2 TW	136.00	lm		
	3.5mm2 THHN	476.00	lm		
	3.5mm2 TW	239.00	lm		
	Wiring Connectors	1.00	lot		
	Sub-Total Amount				
	Wiring Devices and Boxes				

	Third Floor Wiring Devices				
	Duplex Convenience Outlet, Wall Mounted	99.00	sets		
	Simplex Receptacle Outlet, HD	3.00	sets		
	Simplex Receptacle Outlet for Emergency Light	28.00	sets		
	One Gang One Device Switch	24.00	sets		
	One Gang Two Device Switch	6.00	sets		
	One Gang Three Device Switch	4.00	sets		
	One Gang Three Way Device Switch	1.00	sets		
	Junction Box	191.00	sets		
	Utility Box	137.00	sets		
	Third Floor Mezzanine Wiring Devices				
	Duplex Convenience Outlet, Wall Mounted	4.00	sets		
	Simplex Receptacle Outlet for Emergency Light	2.00	sets		
	One Gang Two Device Switch	1.00	sets		
	One Gang Three Device Switch	1.00	sets		
	Junction Box	39.00	sets		
	Utility Box	6.00	sets		
	Sub-Total Amount				
	Raceways				
	Third Floor Raceways				
	90mm Ø IMC (DP3)	18.00	lgts		
	65mm Ø IMC	3.00	lgts		
	32mm Ø IMC (ACCU 3-5,3)	27.00	lgts		
	25mm Ø IMC (ACCU 3-4,1,2)	37.00	lgts		
	20mm Ø IMC	871.00	lgts		
	15mm Ø FMC	85.00	lm		
	15 mm Ø FMC Straight Connector	170.00	pcs		
	Conduit Fittings and Supports	1.00	lot		
	Third Floor Mezzanine Raceways				
	80mm Ø IMC	32.00	lgts		
	20mm Ø IMC	121.00	lgts		
	15mm Ø FMC	42.00	lm		
	15 mm Ø FMC Straight Connector	84.00	pcs		
	Conduit Fittings and Supports	1.00	lot		
	Sub-Total Amount				
	Lighting				
	Lighting Devices				
	Supply, delivery and termination of lighting devices including fixtures, luminaires, fittings, necessary supports and accessories for the complete installation, in accordance with the drawings and specifications.				
	Third Floor Lighting Devices				
	Downlight 1x9W LED, Cool White or Daylight, 180mm diameter x 220mm height, Recessed Mounted Downlight with Glass Cover (L1)	65.00	sets		

	2x36W Recessed T-Runner Type Lighting Fixture (L2)	99.00	sets		
	Emergency Light	28.00	sets		
	Exit Light (L6)	1.00	sets		
	Third Floor Mezzanine Lighting Devices				
	Downlight 1x9W LED, Cool White or Daylight, 180mm diameter x 220mm height, Recessed Mounted Downlight with Glass Cover (L1)	2.00	sets		
	2x36W Recessed T-Runner Type Lighting Fixture (L2)	10.00	sets		
	Emergency Light	2.00	sets		
	Sub-Total Amount				
	Miscellaneous				
	Third Floor Miscellaneous				
	Hangers and Supports (Steel Rods, Expansion Bolts, C-Channels, Conduit Straps, and other necessary items to support installations of panel boards, ECB's, conduit runs and wiring devices)	1.00	lot		
	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes and other necessary items to be consumed to assure correct installations of panel boards, ECB, conduit runs and wiring devices)	1.00	lot		
	Testing Commissioning (insulation, voltage,current and resistance test)	1.00	lot		
	Third Floor Mezzanine Miscellaneous				
	Hangers and Supports (Steel Rods, Expansion Bolts, C-Channels, Conduit Straps, and other necessary items to support installations of panel boards, ECB's, conduit runs and wiring devices)	1.00	lot		
	Hardwares and Consumables(Butane, Cutting Discs, Drill Bits, Electrical Tapes and other necessary items to be consumed to assure correct installations of panel boards, ECB, conduit runs and wiring devices)	1.00	lot		
	Testing Commissioning (insulation, voltage,current and resistance test)	1.00	lot		
	Sub-Total Amount				
	TOTAL ELECTRICAL				
8.00	TELEPHONE AND DATA				
	Raceways				
	Third Floor Raceways				
	20mm dia IMC	23.00	lgts		
	25mm dia IMC	72.00	lgts		

	32mm dia IMC	18.00	lgts		
	250mm x 100mm Wireway	41.00	lm		
	250mm x 100mm Horizontal Tee	1.00	pcs		
	250mm x 100mm Vertical Elbow	1.00	pcs		
	Conduit Connectors and Fittings	1.00	lot		
	Sub-Total Amount				
	Boxes				
	Third Floor Boxes				
	Utility box	61.00	pcs		
	Junction box	3.00	pcs		
	Sub-Total Amount				
	Miscellaneous				
	Ground Floor Miscellaneous				
	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		
	Sub-Total Amount				
	TOTAL TELEPHONE AND DATA				

*****SUMMARY*****

1.00	GENERAL REQUIREMENTS	PhP	
2.00	DEMOLITION WORKS		
3.00	ARCHITECTURAL WORKS		
4.00	FIRE PROTECTION SYSTEM		
5.00	PLUMBING & SANITARY WORKS		
6.00	HEATING, VENTILATION & AIR CONDITIONING SYSTEM		
7.00	ELECTRICAL WORKS		
8.00	TELEPHONE AND DATA		

	SUB-TOTAL COST	PhP	
	VAT	@	12.00%
	TOTAL PROJECT COST	PhP	

Amount in Words :

Note:

*Indirect Cost (OCM, & Profit) included per item unit cost

* Bonds & Securities (including CARI) 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:

Position:

Company Name:

Date:
