



UNIVERSITY OF THE PHILIPPINES MANILA
Campus Planning, Development and Maintenance Office
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PROJECT : RESTORATION AND RENOVATION OF LARA HALL

LOCATION : Ground Floor and Second 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		
	Permits and Licences (Electrical Permit, Renovation/Building Permit, Mechanical Permit, NHCP Development Permit 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				
	GROUND FLOOR				
	MASONRY WORKS				
	150 mm thick Chb	487.76	sq.m		
	Plastering	975.52	sq.m		
	Sub-total Amount				
	METALS				
	Stair Railings , Tubular Steel and Gate				
	50 mm B.I. Pipe Stair	240.82	lm		
	50 mm SS Railings and Ramp	53.20	l.m		
	5 mm Thick Checkered Plate	29.66	sqm		
	Groove Nosing	125.00	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	155.00	sq.m		
	Sub-total Amount				
	OPENINGS				
	Doors including Jambs & Finish Hardwares				
	ED1 -Existing Double Leaf Wooden Door with Fixed Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	1.00	pc		
	ED2-Existing Double Leaf Wooden Door with Fixed and Awning Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	3.00	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.	4.00	pcs		
	ED4b-Existing Single Leaf Wooden Door with Fixed Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	3.00	pcs		
	D5-UPVC Double Sliding Glass Door and Fixed Windows with complete hardware accessories	1.00	pc		
	ED6-Existing Double Leaf Door (to be restored and refurbish) such as re-sanding, revarnish etc.	2.00	pcs		
	D6- 45mm thk. Hollow Metal Door Gauge 18 with Steel Louver Panel in Automative Lacquer Paint Finish on Hollow Metal Frames with complete hardware accessories (Ball Bearing Hinges, Lever Type, Lock sets, Deadbolts)	3.00	pcs		
	ED7a-Existing Single Leaf Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	3.00	pcs		
	ED7c -Existing Single Leaf Wooden Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	4.00	sets		
	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 Automative 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 Automative 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				
	EW1- Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	17.00	pcs		
	W1a- Existing Window E-1 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		
	W1b- Existing Window E-1 from Exterior View Louver Casement Window from Interior View (Provide Shutters/Roller Blinds to Block Off Light)	4.00	pcs		
	W1c - Existing Window E-1 from Exterior View Louver Casement Window from Interior View . Portin to be demolish to provide fire exit door in Compliance with Fire Code. Panic Door will Adjust Based on Interior Floor Level (Provide Shutters/Roller Blinds to Block Off Light)	2.00	pcs		

	EW2-Existing Steel Awning Window (to be restored and refurbish such as re-sanding, repainting etc.	7.00	pcs		
	W11-50 mm x 100 mm Analok Finish Aluminum Frame with 12 mm Tempered Glass with Stainless Steel Recessed Deal Tray (Transaction Window)	1.00	pc		
	W12- Louver Window with 6mm Thick Aluminum Powder Coated Finish	1.00	pc		
	W13- Louver Window with 6mm Thick Aluminum Powder Coated Finish	4.00	pcs		
	Sub-total Amount				
	FINISHES				
	Floor Finishes				
	FF-1 600 mm x 600 mm Concrete Tiles	472.00	sqm		
	FF-2 600 mm x 600 mm Porcelain Tiles (Unglazed)	76.20	sqm		
	FF-5 Bare Concrete Finish	60.30	sqm		
	FF-6 3mm thk Rolled Vinyl	40.70	sqm		
	FF-7 Granite Tile	69.90	sqm		
	Screeding 20 mm thick	618.10	sqm		
	Screeding 36 mm thick	40.70	sqm		
	Wall Finishes				
	100 mm Thick Drywall	160.72	sqm		
	WF-1a Exterior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	989.79	sqm		
	WF-1b Interior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	1,481.72	sqm		
	WF-3 300 mm x 600 mm Porcelain Tiles	265.68	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	505.30	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	74.40	sq.m		
	EXP-1 Exposed Slab in Paint Finish	92.80	sq.m		
	Epoxy Painting (Steel Railings)	145.37	sq.m		
	Sub-total Amount				
	SPECIALTIES				
	Toilet Accessories				
	Toilet Partition	9.00	pcs		
	Large Toilet Partiton	2.00	pcs		
	Lavatory Under Mount Oval Lavatory	19.00	pcs		
	Countertop Granite Finish	17.00	lm		
	Urinal	7.00	pcs		
	Watercloset Flush Valve Siphon Wash Flashing	15.00	pcs		
	Urinal Partition	5.00	pcs		
	Slope Sink	1.20	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	19.00	pcs		
	100 mm x 100 mm Stainless Floordrain	15.00	pcs		
	Stainless Sink	1.00	pc		
	Faucet	20.00	pcs		
	Caseworks				

	Overhead Cabinet (300mm width) and Below Counter Cabinet	1.80	lm		
	Sub-total Amount				
	GROUND MEZZANINE FLOOR				
	FINISHES				
	Wall Finishes				
	100 mm Thick Drywall	11.94	sqm		
	Glass Railings 12 mm Tempered	23.80	lm		
	Access Panel Door G.A 18 800x800	2.00	pcs		
	Access Panel Door G.A 18 373 x 373	1.00	pc		
	Sub-total Amount				
	SECOND FLOOR				
	MASONRY WORKS				
	150 mm thk Chb	254.48	sq.m		
	Plastering	508.96	sq.m		
	Sub-total Amount				
	METALS				
	Stair Railings , Tubular Steel and Gate				
	50 mm B.I. Pipe Stair	92.80	lm		
	50 mm SS Railings and Ramp	30.90	lm		
	5 mm Thick Checkered Plate	30.90	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	105.35	sq.m		
	Sub-total Amount				
	OPENINGS				
	Doors including Jambs & Finish Hardwares				
	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.	3.00	pcs		
	ED4a-Existing Single Leaf Wooden Door with Fixed Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	23.00	pcs		
	ED4b-Existing Single Leaf Wooden Door with Fixed Windows (to be restored and refurbish) such as re-sanding, revarnish etc.	1.00	pc		
	ED7a-Existing Single Leaf Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	3.00	pcs		
	ED7b -Existing Single Leaf Wooden Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	1.00	pc		

	ED7c -Existing Single Leaf Wooden Door with Louver (to be restored and refurbish) such as re-sanding, revarnish etc.	2.00	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 Automative Lacquer Paint Finish with complete hardware accessories (Ball Bearing Hinges, Panic Hardware, Lever Trim)	2.00	pcs		
	D9A- 45mm thk. Gauge 18mm Fire Rated Single Leaf Metal Door 1.00mx2.125m in Automative Lacquer Paint Finish with complete hardware accessories (Ball Bearing Hinges, Panic Hardware, Lever Trim)	1.00	pc		
	D10A- 45mm thk. Single Leaf Hollow Metal Door 0.90mx2.10m in Automative 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		
	D10B- 45mm thk. Single Leaf Hollow Metal Door 0.80mx2.10m in Automative 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				
	EW3-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	24.00	pcs		
	EW3-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	1.00	pc		
	EW4-Existing Steel Awning Window (to be restored and refurbish) such as re-sanding, repainting etc.	6.00	pcs		
	EW4-Existing (EW-4) 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		
	Sub-total Amount				
	FINISHES				
	Floor Finishes				
	FF-1 600 mm x 600 mm Homogenous Porcelain Tiles	766.70	sqm		
	FF-2 600 mm x 600 mm Porcelain Tiles (Unglazed)	42.20	sqm		
	FF-5 Bare Concrete Finish	9.20	sqm		
	FF-6 3mm thk Rolled Vinyl	36.60	sqm		
	FF-7 Granite Tile	44.50	sqm		
	Screeding 20 mm thick	853.40	sqm		
	Screeding 36 mm thick	36.60	sqm		
	Wall Finishes				
	100 mm Thick Drywall	418.56	sqm		
	WF-1a Exterior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	489.73	sqm		
	WF-1b Interior Plain Semi Gloss Acrylic Solvent Based Coating Paint Finish	1,947.07	sqm		
	WF-3 300 mm x 600 mm Porcelain Tiles	134.46	sqm		
	Operable Wall	52.15	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	743.96	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	37.20	sq.m		
	EXP-1 Exposed Slab in Paint Finish	44.00	sq.m		
	Epoxy Painting (Steel Railings)	82.36	sq.m		
	Sub-total Amount				
	SPECIALTIES				
	Toilet Accessories				
	Toilet Partiton	7.00	pcs		
	Lavatory Under Mount Oval Lavatory	9.00	pcs		
	Countertop Granite Finish	8.80	lm		
	Urinal	5.00	pcs		
	Watercloset Flush Valve Siphon Wash Flashing	9.00	pcs		
	Urinal Partition	3.00	pcs		
	Slope Sink	0.85	lm		
	SS Grab Bar I Type	1.00	pc		
	6 mm thick Glass Mirror Satin Finish Anodized Aluminum Frame 600 mm W x 800 mm H SS	9.00	pcs		
	100 mm x 100 mm Stainless Floordrain	8.00	pcs		
	Stainless Sink	3.00	pcs		
	Faucet	12.00	pcs		
	Caseworks				
	Overhead Cabinet (300mm width) and Below Counter Cabinet	8.30	lm		
	Sub-total Amount				
	TOTAL ARCHITECTURAL				
4.00	FIRE PROTECTION SYSTEM				
	FIRE PROTECTION DISTRIBUTION MATERIALS				
	Ground 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				
	Flushing Valve, 1-1/2" Ø (40 mm)	1.00	Piece/s		
	Fire Department Connection				
	65 mm Ø (2-way) x 100 mm Ø AFSS Fire Dep't. Connection	1.00	Unit/s		
	65 mm Ø (2-way) x 100 mm Ø DSP Fire Dep't. Connection	1.00	Unit/s		
	Check Valve, 6" Ø (150 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	21.00	Length		
	75 mm Ø	4.00	Length		
	65 mm Ø	6.00	Length		
	50 mm Ø	4.00	Length		
	40 mm Ø	9.00	Length		
	32 mm Ø	7.00	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				
	Ground Floor Mezzanine				
	B.I. Pipe Sch. 40 x 6 m Length				
	100 mm Ø	2.00	Length		
	75 mm Ø	4.00	Length		
	50 mm Ø	6.00	Length		
	40 mm Ø	7.00	Length		
	32 mm Ø	5.00	Length		
	25 mm Ø	9.00	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				
	Second 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)				
	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	5.00	Length		
	75 mm Ø	4.00	Length		
	65 mm Ø	4.00	Length		
	50 mm Ø	5.00	Length		
	40 mm Ø	11.00	Length		
	32 mm Ø	12.00	Length		
	25 mm Ø	35.00	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				
	Site Development and Ground Floor				
	Concrete Pipe				
	250 mm Ø	43.00	Linear Meter/s		
	200 mm Ø	88.00	Linear Meter/s		
	150 mm Ø	38.00	Linear Meter/s		
	PVC Pipe, Series 1000, 3m Length				
	250 mm Ø	16.00	Length		
	200 mm Ø	13.00	Length		
	150 mm Ø	6.00	Length		
	100 mm Ø	44.00	Length		
	Condensate Drain				
	PVC Pipe, Series 1000, 3m Length				
	100 mm Ø	4.00	Length		
	50 mm Ø	43.00	Length		
	PVC Blue Pipe, 3 m Length				
	32 mm Ø	14.00	Length		
	25 mm Ø	15.00	Length		
	Rubber Insulation				
	100 mm Ø x 2 m L x 25 mm Thick	6.00	Length		
	50 mm Ø x 2 m L x 25 mm Thick	65.00	Length		
	32 mm Ø x 2 m L x 25 mm Thick	21.00	Length		
	25 mm Ø x 2 m L x 25 mm Thick	23.00	Length		
	Floor Clean-out (Brass)				
	50 mm Ø	1.00	Piece/s		
	Ground Clean-out (Brass)				
	250 mm Ø	1.00	Piece/s		
	200 mm Ø	2.00	Piece/s		

150 mm Ø	1.00	Piece/s		
100 mm Ø	2.00	Piece/s		
50 mm Ø	5.00	Piece/s		
Ceiling Clean-out (PVC)				
50 mm Ø	2.00	Piece/s		
32 mm Ø	6.00	Piece/s		
Area Drain (Flat Bar Grating Cover)				
600 mm x 600 mm	9.00	Piece/s		
Manhole Cover				
600 mm Ø C.I. Pressure Type, Water Tight	2.00	Assembly		
300 mm x 300 mm C.I. Heavy Duty Traffic Type	6.00	Assembly		
Ladder Rung	4.00	Assembly		
Backwater Valve				
200 mm Ø	1.00	Piece/s		
Pipe Connectors, Fittings and Accessories	1.00	Lot		
Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
Miscellaneous and Consumables	1.00	Lot		
Excavation Work	1.00	Lot		
Backfilling and Compaction Work (Labor Only)	1.00	Lot		
Testing Works (Leak and Gravity Test)	1.00	Lot		
Dismantling, Chipping & Restoration Works	1.00	Lot		
Sub-Total Amount				
Mezzanine Ground 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		
Rubber Insulation				
100 mm Ø x 2 m L x 25 mm Thick	3.00	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				
Second Floor				
PVC Pipe, Series 1000, 3m Length				
250 mm Ø	30.00	Length		
100 mm Ø	27.00	Length		
Condensate Drain				
PVC Pipe, Series 1000, 3m Length				
100 mm Ø	3.00	Length		
75 mm Ø	4.00	Length		
50 mm Ø	17.00	Length		
PVC Blue Pipe, 3 m Length				

32 mm Ø	25.00	Length		
25 mm Ø	34.00	Length		
Rubber Insulation				
100 mm Ø x 2 m L x 25 mm Thick	5.00	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	38.00	Length		
25 mm Ø x 2 m L x 25 mm Thick	51.00	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	6.00	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				
SEWER AND VENT SYSTEM				
Site Development and Ground Floor				
HDPE Pipe, SDR 26, 6m Length				
200 mm Ø	19.00	Length		
150 mm Ø	12.00	Length		
PVC Pipe, Series 1000, 3m Length				
200 mm Ø	21.00	Length		
150 mm Ø	15.00	Length		
100 mm Ø	44.00	Length		
75 mm Ø	22.00	Length		
50 mm Ø	141.00	Length		
Floor Drain (Brass Top w/ Cast Iron Body)				
100 mm Ø	13.00	Piece/s		
75 mm Ø	2.00	Piece/s		
50 mm Ø	5.00	Piece/s		
Floor Clean-out (Brass)				
150 mm Ø	9.00	Piece/s		
100 mm Ø	10.00	Piece/s		
75 mm Ø	6.00	Piece/s		
50 mm Ø	1.00	Piece/s		
Ground Clean-out (Brass)				
200 mm Ø	1.00	Piece/s		
150 mm Ø	2.00	Piece/s		
100 mm Ø	1.00	Piece/s		
Manhole Cover				
600 mm Ø C.I. Pressure Type, Water Tight	1.00	Assembly		
Ladder Rung	1.00	Assembly		
Stainless Steel 304 Grease Trap				
15 GPM	1.00	Unit/s		
Pipe Connectors, Fittings and Accessories	1.00	Lot		

Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
Miscellaneous and Consumables	1.00	Lot		
Excavation Work	1.00	Lot		
Backfilling and Compaction Work (Labor Only)	1.00	Lot		
Testing Works (Leak and Gravity Test)	1.00	Lot		
Dismantling, Chipping & Restoration Works	1.00	Lot		
Sub-Total Amount				
Mezzanine Ground Floor				
HDPE Pipe, SDR 26, 6m Length				
150 mm Ø	3.00	Length		
75 mm Ø	2.00	Length		
PVC Pipe, Series 1000, 3m Length				
150 mm Ø	2.00	Length		
100 mm Ø	3.00	Length		
75 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				
Second Floor				
HDPE Pipe, SDR 26, 6m Length				
150 mm Ø	4.00	Length		
100 mm Ø	58.00	Length		
HDPE Pipe, SDR 21, 6m Length				
75 mm Ø	7.00	Length		
PVC Pipe, Series 1000, 3m Length				
150 mm Ø	2.00	Length		
100 mm Ø	28.00	Length		
75 mm Ø	42.00	Length		
50 mm Ø	116.00	Length		
Floor Drain (Brass Top w/ Cast Iron Body)				
100 mm Ø	11.00	Piece/s		
75 mm Ø	2.00	Piece/s		
Floor Clean-out (Brass)				
100 mm Ø	10.00	Piece/s		
75 mm Ø	7.00	Piece/s		
Ceiling Clean-out (HDPE)				
150 mm Ø	2.00	Piece/s		
100 mm Ø	14.00	Piece/s		
Ceiling Clean-out (PVC)				
100 mm Ø	1.00	Piece/s		
75 mm Ø	1.00	Piece/s		
Stainless Steel 304 Grease Trap				
15 GPM	2.00	Unit/s		

5 GPM	1.00	Unit/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				
WATER SUPPLY SYSTEM				
Site Development and Ground Floor				
Water Pipe				
G.I. Pipe Sch. 40 x 6 m Length				
100 mm Ø	8.00	Length		
75 mm Ø	30.00	Length		
65 mm Ø	4.00	Length		
50 mm Ø	8.00	Length		
20 mm Ø	27.00	Length		
PPR Pipe, PN-20, 4m Length				
75 mm Ø	5.00	Length		
65 mm Ø	5.00	Length		
50 mm Ø	18.00	Length		
40 mm Ø	11.00	Length		
32 mm Ø	36.00	Length		
25 mm Ø	19.00	Length		
20 mm Ø	37.00	Length		
Pipe Connectors, Fittings and Accessories	1.00	Lot		
Hanger / Bracket / Support / Concrete Saddle	1.00	Lot		
Miscellaneous and Consumables	1.00	Lot		
Excavation Work	1.00	Lot		
Backfilling and Compaction Work (Labor Only)	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				
100 mm Ø (Flange Type)	20.00	Piece/s		
75 mm Ø (Flange Type)	1.00	Piece/s		
50 mm Ø (Flange Type)	4.00	Piece/s		
40 mm Ø	3.00	Piece/s		
32 mm Ø	2.00	Piece/s		
25 mm Ø	4.00	Piece/s		
20 mm Ø	11.00	Piece/s		
Check Valve				
100 mm Ø (Flange Type)	8.00	Piece/s		
75 mm Ø (Flange Type)	1.00	Piece/s		
50 mm Ø (Flange Type)	1.00	Piece/s		
Hose Bibb (Brass)				
20 mm Ø	5.00	Piece/s		
Float Control Valve				
75 mm Ø	1.00	Piece/s		
Equalization Valve				
150 mm Ø	2.00	Piece/s		
Water Meter				

75 mm Ø	1.00	Piece/s		
Flexible Connector				
100 mm Ø	12.00	Piece/s		
Wye Strainer				
100 mm Ø	3.00	Piece/s		
Manhole Cover				
600 mm Ø C.I. Pressure Type, Water Tight	7.00	Assembly		
Ladder Rung	7.00	Assembly		
Consumables	1.00	Lot		
Sub-Total Amount				
Mezzanine Ground Floor				
Water Pipe				
PPR Pipe, PN-20, 4m Length				
75 mm Ø	1.00	Length		
65 mm Ø	2.00	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 Pressure Test)	1.00	Lot		
Dismantling, Chipping & Restoration Works	1.00	Lot		
Sub-Total Amount				
Second Floor				
Water Pipe				
PPR Pipe, PN-20, 4m Length				
75 mm Ø	2.00	Length		
65 mm Ø	3.00	Length		
50 mm Ø	5.00	Length		
40 mm Ø	5.00	Length		
32 mm Ø	13.00	Length		
25 mm Ø	18.00	Length		
20 mm Ø	28.00	Length		
12 mm Ø	10.00	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				
40 mm Ø	2.00	Piece/s		
32 mm Ø	1.00	Piece/s		
25 mm Ø	2.00	Piece/s		
20 mm Ø	4.00	Piece/s		
12 mm Ø	2.00	Piece/s		
Consumables	1.00	Lot		

	Sub-Total Amount				
	Third Floor				
	Water Pipe				
	PPR Pipe, PN-20, 4m Length				
	75 mm Ø	1.00	Length		
	65 mm Ø	7.00	Length		
	50 mm Ø	36.00	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				
	40 mm Ø	2.00	Piece/s		
	Consumables	1.00	Lot		
	Sub-Total Amount				
	Mezzanine Third Floor				
	Water Pipe				
	PPR Pipe, PN-20, 4m Length				
	75 mm Ø	1.00	Length		
	65 mm Ø	1.00	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 Pressure Test)	1.00	Lot		
	Dismantling, Chipping & Restoration Works	1.00	Lot		
	Sub-Total Amount				
	Fourth Floor				
	Water Pipe				
	G.I. Pipe Sch. 40 x 6 m Length				
	65 mm Ø	7.00	Length		
	PPR Pipe, PN-20, 4m Length				
	75 mm Ø	1.00	Length		
	65 mm Ø	13.00	Length		
	50 mm Ø	3.00	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				
65 mm Ø (Flange Type)	1.00	Piece/s		
40 mm Ø	2.00	Piece/s		
Check Valve				
65 mm Ø (Flange Type)	1.00	Piece/s		
Consumables	1.00	Lot		
Sub-Total Amount				
Roof				
Water Pipe				
PPR Pipe, PN-20, 4m Length				
75 mm Ø	4.00	Length		
65 mm Ø	9.00	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		
Valves / Water Control & Accessories				
Gate Valve				
75 mm Ø (Flange Type)	1.00	Piece/s		
65 mm Ø (Flange Type)	3.00	Piece/s		
Consumables	1.00	Lot		
Sub-Total Amount				
PUMP AND TANK				
Site Development and Ground Floor				
Pumps				
Duplex Type Transfer Pump, (TP/2)	1.00	Set/s		
Type: Vertical In-line				
Each Pump Rating: 55 GPM, 150 FT. TDH				
Drive: Electric Motor, Closed Coupled				
Motor Rating: 5HP, 1800RPM, 230V, 3Ph, 60Hz				
w/ Duplex Type Direct on Line Controller				
Duplex Type Transfer Pump, (TP/1)	1.00	Set/s		
Type: Vertical In-line				
Each Pump Rating: 70 GPM, 140 FT. TDH				
Drive: Electric Motor, Closed Coupled				
Motor Rating: 5HP, 3500RPM, 230V, 3Ph, 60Hz				
w/ Duplex Type Direct on Line Controller				
Elevator Sump Pit Pump, (ESPP/1)	1.00	Unit/s		
Type: Submersible				
Pump Rating: 20 GPM, 60 FT. TDH				
Drive: Electric Motor, Closed Coupled				
Motor Rating: 1HP, 1800RPM, 230V, 1Ph, 60Hz				
w/ Simplex Type Direct on Line Controller				
Pump Operation / Performance Test	1.00	Lot		

	Tanks				
	Cistern Tank - 1 & 2, (PCT/1 & PCT/2)	2.00	Chamber/s		
	Capacity: 4,280 Gallons				
	Reinforced Concrete				
	Septic Tank - 1 & 2, (ST/1 & ST/2)	6.00	Chamber/s		
	Capacity: 2,641 Gallons				
	Reinforced Concrete				
	Roof / Upper Utility Deck				
	Tanks				
	Over Head Water Tank - 1 & 2, (OHWT/1 & OHWT/2)	2.00	Unit/s		
	Capacity: 2,000 Gallons				
	Stainless Steel				
	Sub-Total Amount				
	TOTAL PLUMBING AND SANITARY WORKS				
6.00	HEATING, VENTILATION & AIR CONDITIONING SYSTEM				
	AIR CONDITIONING EQUIPMENTS				
	Ground Floor				
	FCU - VRF				
	Wall Mounted Type, Inverter				
	FCU G-1A/1B/1D				
	2.2 KW (0.6 TR) Cooling Capacity, 210 CFM, 230V/1Phase/60Hz	3.00	Unit/s		
	FCU G-1E				
	3.6 KW (1.0 TR) Cooling Capacity, 350 CFM, 230V/1Phase/60Hz	1.00	Unit/s		
	4-Way Ceiling Cassette Type, Inverter				
	FCU G-1C				
	9.0 KW (2.6 TR) Cool Capacity, 910 CFM, 230V/1Phase/60Hz	2.00	Unit/s		
	FCU G- 1H/2A				
	4.5 KW (1.3 TR) Cool Capacity, 910 CFM, 230V/1Phase/60Hz	2.00	Unit/s		
	FCU G-1F				
	3.6 KW (1.0 TR) Cool Capacity, 350 CFM, 230V/1Phase/60Hz	1.00	Unit/s		
	ACCU - VRF				
	Top Discharge, 220V/3Phase/60Hz w/ scroll compressor, rust coated panels and aluminum fins, Cooling media 410A				
	ACCU G-1, 50.4 KW Cooling Capacity	1.00	Unit/s		
	Single Split Type				
	Wall Mounted Type, Inverter				
	FCU/ACCU GF-1a, 2.5 KW (0.71 TR) Cooling Capacity, 220-240V/1Phase/60Hz	2.00	Set/s		
	Window Type, Inverter				

	WAC G-1, 1 HP Cooling Capacity, 230V/1Phase/60Hz	1.00	Unit/s		
	Equipment Support & Concrete Pad	1.00	Lot		
	Second Floor				
	FCU - VRF				
	Wall Mounted Type, Inverter				
	FCU 2-3A/3B/3C				
	2.2 KW (0.6 TR) Cooling Capacity, 210 CFM, 230V/1Phase/60Hz	18.00	Unit/s		
	FCU 2-2B				
	3.6 KW (1.0 TR) Cooling Capacity, 350 CFM, 230V/1Phase/60Hz	1.00	Unit/s		
	FCU 2-1A/1B/2A/2C				
	5.6 KW (1.6 TR) Cooling Capacity, 560 CFM, 230V/1Phase/60Hz	5.00	Unit/s		
	4-Way Ceiling Cassette Type, Inverter				
	FCU 2-2E				
	7.1 KW (2.0 TR) Cooling Capacity, 700 CFM, 230V/1Phase/60Hz	2.00	Unit/s		
	FCU 2-2D				
	11.2 KW (3.2 TR) Cooling Capacity, 1120 CFM, 230V/1Phase/60Hz	1.00	Unit/s		
	FCU 2-1C				
	14.0 KW (4.0 TR) Cooling Capacity, 1400 CFM, 230V/1Phase/60Hz	6.00	Unit/s		
	ACCU - VRF				
	Top Discharge, 220V/3Phase/60Hz w/ scroll compressor, rust coated panels and aluminum fins, Cooling media 410A				
	ACCU 2-1, 101.0 KW (28.7 TR) Cooling Capacity	1.00	Unit/s		
	ACCU 2-2, 50.4 KW (14.3 TR) Cooling Capacity	1.00	Unit/s		
	ACCU 2-3, 40.0 KW (11.26 TR) Cooling Capacity	1.00	Unit/s		
	Equipment Support & Concrete Pad	1.00	Lot		
	Sub-Total Amount				
	VENTILATION EQUIPMENTS				
	Ground 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	2.00	Unit/s		
	EF-3, 100 CFM air flow rate at 0.75" ESP, 0.06 kW motor	1.00	Unit/s		
	EF-5, 200 CFM air flow rate at 1.0" ESP, 0.07 kW motor	2.00	Unit/s		
	Toilet In-line Centrifugal Fan				
	Centrifugal in-line fan complete with standard accessories, direct drive, 230V/1Phase/60Hz				
	TEF-5, 750 CFM air flow rate at 1.5" ESP, 0.37 kW motor	1.00	Unit/s		
	TEF-6, 600 CFM air flow rate at 1.5" ESP, 0.37 kW motor	1.00	Unit/s		
	Equipment Support	1.00	Lot		
	Second Floor				

	Ceiling Cassette Fan				
	Complete with standard accessories, direct drive, 230V/1Phase/60Hz				
	EF-1/TEF-4, 60 CFM air flow rate at 0.5 ESP, 0.06 kW motor	4.00	Unit/s		
	EF-2, 150 CFM air flow rate at 0.75" ESP, 0.06 kW motor	1.00	Unit/s		
	EF-3/TEF-3, 100 CFM air flow rate at 0.75" ESP, 0.06 kW motor	2.00	Unit/s		
	EF-4, 350 CFM air flow rate at 1.0" ESP, 0.08 kW motor	1.00	Unit/s		
	Toilet In-line Centrifugal Fan				
	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		
	Energy Recovery Ventilator				
	Equip with hepa filters/wheels cross flow direct drive, 230V/1Phase/60Hz				
	ERV-1, 206 CFM air flow rate at 225 Pa. ESP, 226 Watts motor	2.00	Unit/s		
	Equipment Support	1.00	Lot		
	Sub-Total Amount				
	AIR CONDITIONING PIPING WORKS				
	Ground Floor				
	Refrigerant Piping System				
	Copper Pipes - Hard Drawn Type L, Schedule 40, Seamless				
	28.6 mm (1-1/8") Ø x 6m Length	4.00	Length/s		
	19.1 mm (3/4") Ø x 6m Length	4.00	Length/s		
	15.6 mm (5/8") Ø x 6m Length	3.00	Length/s		
	12.7 mm (1/2") Ø x 6m Length	12.00	Length/s		
	9.5 mm (3/8") Ø x 6m Length	23.00	Length/s		
	Copper Elbow, Schedule 40, Seamless				
	28.6 mm (1-1/8") Ø x 90 degree	10.00	Piece/s		
	19.1 mm (3/4") Ø x 90 degree	10.00	Piece/s		
	15.6 mm (5/8") Ø x 90 degree	12.00	Piece/s		
	12.7 mm (1/2") Ø x 90 degree	20.00	Piece/s		
	9.5 mm (3/8") Ø x 90 degree	30.00	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	14.00	Length/s		
	19.1 mm (3/4") Ø x 1.82 m Length	14.00	Length/s		
	15.6 mm (5/8") Ø x 1.82 m Length	10.00	Length/s		
	12.7 mm (1/2") Ø x 1.82 m Length	40.00	Length/s		
	9.5 mm (3/8") Ø x 1.82 m Length	77.00	Length/s		
	AC Accessories				
	Wired Remote Controller (Navigation Remote Controller)	13.00	Piece/s		
	Branch Pipe	9.00	Piece/s		
	AC Controls				
	Wire				
	14 mm² THHN/ THWN-2	768.00	Linear Meter/s		
	5.5 mm² THHN/ THWN-2	246.00	Linear Meter/s		

	3.5 mm² THHN/ THWN-2	108.00	Linear Meter/s		
	Raceway				
	32 mm Ø IMC	4.00	Length/s		
	20 mm Ø IMC	1.00	Length/s		
	32 mm Ø Flexible Metal Conduit (liquid tight)	192.00	Linear Meter/s		
	20 mm Ø Flexible Metal Conduit (liquid tight)	27.00	Linear Meter/s		
	Conduit Fittings and Supports	1.00	Lot		
	Disconnect Switch - Enclosed Circuit Breaker				
	70 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	3.00	Assembly		
	25 AT, 230V/1Phase/60Hz, ECB in NEMA 3R Enclosure	1.00	Assembly		
	Consumable Materials	1.00	Lot		
	Pipe Hanger & Support	1.00	Lot		
	Second Floor				
	Refrigerant Piping System				
	Copper Pipes - Hard Drawn Type L, Schedule 40, Seamless				
	41.3 mm (1-5/8") Ø x 6m Length	4.00	Length/s		
	28.6 mm (1-1/8") Ø x 6m Length	11.00	Length/s		
	22.2 mm (7/8") Ø x 6m Length	4.00	Length/s		
	19.1 mm (3/4") Ø x 6m Length	19.00	Length/s		
	15.6 mm (5/8") Ø x 6m Length	9.00	Length/s		
	12.7 mm (1/2") Ø x 6m Length	3.00	Length/s		
	9.5 mm (3/8") Ø x 6m Length	21.00	Length/s		
	6.5 mm (1/4") Ø x 6m Length	17.00	Length/s		
	Copper Elbow, Schedule 40, Seamless				
	41.3 mm (1-5/8") Ø x 90 degree	10.00	Piece/s		
	28.6 mm (1-1/8") Ø x 90 degree	62.00	Piece/s		
	22.2 mm (7/8") Ø x 90 degree	6.00	Piece/s		
	19.1 mm (3/4") Ø x 90 degree	24.00	Piece/s		
	15.6 mm (5/8") Ø x 90 degree	26.00	Piece/s		
	12.7 mm (1/2") Ø x 90 degree	48.00	Piece/s		
	9.5 mm (3/8") Ø x 90 degree	55.00	Piece/s		
	6.5 mm (1/4") Ø x 90 degree	32.00	Piece/s		
	Closed Cell Elastomeric (CCE) Rubber Insulation - Class 1 x 3/4" thick				
	41.3 mm (1-5/8") Ø x 1.82 m Length	14.00	Length/s		
	28.6 mm (1-1/8") Ø x 1.82 m Length	37.00	Length/s		
	22.2 mm (7/8") Ø x 1.82 m Length	14.00	Length/s		
	19.1 mm (3/4") Ø x 1.82 m Length	63.00	Length/s		
	15.6 mm (5/8") Ø x 1.82 m Length	30.00	Length/s		
	12.7 mm (1/2") Ø x 1.82 m Length	10.00	Length/s		
	9.5 mm (3/8") Ø x 1.82 m Length	70.00	Length/s		
	6.5 mm (1/4") Ø x 1.82 m Length	57.00	Length/s		
	AC Accessories				
	Wired Remote Controller (Navigation Remote Controller)	33.00	Piece/s		
	Branch Pipe	30.00	Piece/s		
	AC Controls				
	Wire				
	14 mm² THHN/ THWN-2	1056.00	Linear Meter/s		

	5.5 mm ² THHN/ THWN-2	264.00	Linear Meter/s		
	Raceway				
	32 mm Ø IMC	5.00	Length/s		
	32 mm Ø Flexible Metal Conduit (liquid tight)	264.00	Linear Meter/s		
	Conduit Fittings and Supports	1.00	Lot		
	Disconnect Switch - Enclosed Circuit Breaker				
	150 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	1.00	Assembly		
	70 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	1.00	Assembly		
	60 AT, 460V/3Phase/60Hz, ECB in NEMA 3R Enclosure	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>				
	Ground Floor				
	G.I. Sheets				
	(for Ventilation and Air-Conditioning)				
	Gauge 24, 4ft x 8ft	28.00	Sheet/s		
	Gauge 26, 4ft x 8ft	12.00	Sheet/s		
	Exhaust Air Grille, single fixed blade, 45 degree deflection, G.I. construction, oven baked enamel paint finish				
	350 mm x 350 mm	2.00	Piece/s		
	350 mm x 200 mm	2.00	Piece/s		
	150 mm x 150 mm	11.00	Piece/s		
	Manual Volume Damper				
	700 mm x 200 mm	8.00	Piece/s		
	200 mm x 150 mm	2.00	Piece/s		
	150 mm x 150 mm	6.00	Piece/s		
	100 mm Ø	1.00	Piece/s		
	Aluminum Vent Cap				
	150 mm Ø	1.00	Piece/s		
	100 mm Ø	3.00	Piece/s		
	Duct Accessories & Consumable Materials	1.00	Lot		
	Duct Hangers / Supports	1.00	Lot		
	Second Floor				
	G.I. Sheets				
	(for Ventilation)				
	Gauge 24, 4ft x 8ft	55.00	Sheet/s		
	Exhaust Air Grille, single fixed blade, 45 degree deflection, G.I. construction, oven baked enamel paint finish				

	300 mm x 300 mm	1.00	Piece/s		
	250 mm x 250 mm	1.00	Piece/s		
	200 mm x 200 mm	5.00	Piece/s		
	150 mm x 150 mm	15.00	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		
	Manual Volume Damper				
	150 mm x 150 mm	13.00	Piece/s		
	100 mm x 100 mm	6.00	Piece/s		
	Aluminum Vent Cap				
	150 mm Ø	3.00	Piece/s		
	100 mm Ø	3.00	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				
	Ground 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		
	Second 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	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		
	Sub-Total Amount				
	TOTAL HEATING, VENTILATION & AIR CONDITIONING SYSTEM				
7.00	ELECTRICAL WORKS				

	Electrical Power				
	Facility Electrical Power Generating and Storing Equipment				
	Secondary Metering	1.00	assy		
	Concrete Pedestal	1.00	lot		
	Relocation of Genset	1.00	lot		
	MAIN PANEL in Nema 3R Enclosure Type, Free Standing	1.00	assy		
	Main: 1-2000AT/2000AF,3P,230V, 50KAIC ACB				
	Branches: 1-1600AT/1600AF,3P,230V ACB				
	1-1000AT/1000AF,3P,230V ACB				
	Sub-Total Amount				
	Low Voltage Electrical Distribution				
	Supply, installation, termination and commissioning of low voltage electrical distribution conductors and cables, conduits, connectors, fittings, enclosed circuit breakers including termination accessories and all necessary items to complete the works in accordance with the drawings and specifications				
	Switchboards and Panelboards				
	GROUND FLOOR Panels				
	LVSG in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-1600AT/1600AF,3P,230V,50KAIC ACB				
	Branches: 1-1200AT/1200AF,3P,230V ACB				
	1-225AT/225AF,3P,230V MCCB				
	2-325AT/400AF,3P,230V MCCB				
	1-150AT/225AF,3P,230V MCCB				
	DP1 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-1200AT/1200AF,3P,230V,50KAIC MCCB				
	Branches: 1-800AT/800AF,3P,230V MCCB				
	1-700AT/800AF,3P,230V MCCB				
	1-80AT/100AF,3P,230V MCCB				
	1-40AT/50AF,3P,230V MCCB				
	PPAC1-B in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-800AT/800AF,3P,230V,50KAIC MCCB				
	Branches: 2-400AT/400AF,3P,230V MCCB				
	1-175AT/225AF,3P,230V MCCB				
	4-100AT/100AF,3P,230V MCCB				
	1-80AT/100AF,3P,230V MCCB				
	1-60AT/100AF,3P,230V MCCB				
	1-40AT/50AF,3P,230V MCCB				
	1-20AT/50AF,3P,230V MCCB				
	3-20AT/50AF,2P,230V MCCB				
	PPAC1-A in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
	Main: 1-700AT/800AF,3P,230V,50KAIC MCCB				
	Branches: 1-200AT/225AF,3P,230V MCCB				
	1-125AT/225AF,3P,230V MCCB				
	4-100AT/100AF,3P,230V MCCB				
	3-80AT/50AF,3P,230V MCCB				
	3-20AT/50AF,3P,230V MCCB				
	4-20AT/50AF,2P,230V MCCB				
	PP1 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				
LP1 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-40AT/50AF,3P,230V,10KAIC MCCB				
Branches: 20-20AT/50AF,2P,230V MCCB				
PPUMP in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-300AT/400AF,3P,230V, 36KAIC MCCB				
Branches: 1-125AT/225AF,3P,230V MCCB				
5-40AT/50AF,2P,230V MCCB				
2-20AT/50AF,3P,230V MCCB				
2-20AT/50AF,2P,230V MCCB				
SECOND FLOOR Panels				
DP2 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-225AT/225AF,3P,230V,22KAIC MCCB				
Branches: 1-125AT/225AF,3P,230V MCCB				
1-100AT/100AF,3P,230V MCCB				
1-40AT/100AF,3P,230V MCCB				
PP2 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-100AT/100AF,3P,230V,10KAIC MCCB				
Branches: 24-20AT/50AF,2P,230V MCCB				
PPAC2 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-125AT/225AF,3P,230V,18KAIC MCCB				
Branches: 3-40AT/50AF,2P,230V MCCB				
9-20AT/50AF,2P,230V MCCB				
LP2 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-40AT/50AF,3P,230V,10KAIC MCCB				
Branches: 12-20AT/50AF,2P,230V MCCB				
FOURTH FLOOR Panels				
DP4 in Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-325AT/400AF,3P,230V,36KAIC MCCB				
1-175AT/225AF,3P,230V MCCB				
1-100AT/100AF,3P,230V MCCB				
2-60AT/100AF,3P,230V MCCB				
1-40AT/50AF,3P,230V MCCB				
PPM4 Nema 1 Enclosure Type, Surface Mounted	1.00	assy		
Main: 1-175AT/225AF,3P,230V, 18KAIC MCCB				
Branches: 1-70AT/100AF,2P,230V MCCB				
1-60AT/50AF,3P,230V MCCB				
2-40AT/50AF,3P,230V MCCB				
15-20AT/50AF,2P,230V MCCB				
Sub-Total Amount				
Enclosed Circuit Breaker				
GROUND FLOOR ECB (Equipments)				
ECB 1000AT, 1000AF, 3P, 230V, NEMA 1 Enclosure (Manual switch)	1.00	assy		
ECB 150AT, 225AF, 3P, 230V, NEMA 3R Enclosure (Elevator)	1.00	assy		
ECB 100AT, 100AF, 3P, 230V, NEMA 3R Enclosure (ACCU-G1)	1.00	assy		

ECB 40AT, 50AF, 3P, 230V, NEMA 3R Enclosure (TP/1, TP/2)	2.00	assy		
ECB 20AT, 50AF, 3P, 230V, NEMA 3R Enclosure (PIT PUMP)	1.00	assy		
ECB 20AT, 50AF, 2P, 230V, NEMA 3R Enclosure (2 - ACCU GF-1A, WAC)	3.00	assy		
SECOND FLOOR ECB (Equipments)				
ECB 200AT, 225AF, 3P, 230V, NEMA 3R Enclosure (ACCU 2-1)	1.00	assy		
ECB 100AT, 100AF, 3P, 230V, NEMA 3R Enclosure (ACCU 2-2)	1.00	assy		
ECB 80AT, 100AF, 3P, 230V, NEMA 3R Enclosure (ACCU 2-3)	1.00	assy		
ROOFDECK ECB				
ECB 70AT, 100AF, 3P, 230V, NEMA 3R Enclosure (SEF-2)	1.00	assy		
ECB 60AT, 100AF, 3P, 230V, NEMA 3R Enclosure (PZF-1)	1.00	assy		
ECB 40AT, 50AF, 3P, 230V, NEMA 3R Enclosure (FAF-1)	1.00	assy		
Sub-Total Amount				
Ground Floor Wires				
Wires and Cables				
250mm ² THHN (DP1), (MCB), (ATS-2)	1,114.00	lm		
175mm ² THHN (ATS-1), (220KVA)	222.00	lm		
150mm ² THHN (PPAC1-A&B)	107.00	lm		
125mm ² TW (MCB), (ATS-2) G	260.00	lm		
80mm ² THHN (PPUMP)	36.00	lm		
80mm ² TW (DP1) G	102.00	lm		
50mm ² TW (PPAC1-A&B) G	36.00	lm		
30mm ² TW (ATS-1), (220KVA) G	74.00	lm		
22mm ² THHN (PP1)	31.00	lm		
14mm ² THHN (ELEV, ACCU G-1)	219.00	lm		
14mm ² TW (PPUMP) G	12.00	lm		
8mm ² THHN (LP1)	30.00	lm		
5.5mm ² THHN (BP/2,3,4 & TP/1,2)	639.00	lm		
5.5mm ² TW (TP/1,2, ELEV, ACCU G-1, PP1, LP1) G	169.00	lm		
3.5mm ² THHN	4,550.00	lm		
3.5mm ² TW	2,275.00	lm		
Wiring Connectors	1.00	lot		
Second Floor Wires				
Wires and Cables				
100mm ² THHN (DP2)	138.00	lm		
50mm ² THHN (ACCU 2-1)	57.00	lm		
30mm ² THHN (PP2)	34.00	lm		
22mm ² THHN (PPAC2)	36.00	lm		
22mm ² TW (DP2) G	46.00	lm		
14mm ² THHN (ACCU 2-2)	117.00	lm		
14mm ² TW (ACCU 2-1) G	19.00	lm		
8mm ² THHN (ACCU 2-3)	39.00	lm		
8mm ² TW (PP2) G	12.00	lm		
5.5mm ² THHN	530.00	lm		
5.5mm ² TW (PPAC2) G	51.00	lm		
5.5mm ² TW (ACCU 2-2) G	39.00	lm		
3.5mm ² THHN	4,186.00	lm		
3.5mm ² TW	2,094.00	lm		
Wiring Connectors	1.00	lot		
Fourth Floor Wires				

Wires and Cables				
200mm ² THHN (DP4)	162.00	lm		
38mm ² THHN (PPM4)	27.00	lm		
30mm ² TW (DP4) G	54.00	lm		
14mm ² TW (PPM4) G	9.00	lm		
5.5mm ² THHN (BP/3&4)	240.00	lm		
5.5mm ² TW (BP/3&4) G	27.00	lm		
Roof Deck Floor Wires				
Wires and Cables				
8mm ² THHN (SEF-2)	90.00	lm		
5.5mm ² THHN (PZF-1, FAF-1)	165.00	lm		
5.5mm ² TW (SEF-2, PZF-1, FAF-1) G	29.00	lm		
Wiring Connectors	1.00	lot		
Sub-Total Amount				
Wiring Devices and Boxes				
Ground Floor Wiring Devices				
Duplex Convenience Outlet, Wall Mounted	55.00	sets		
Duplex Convenience Outlet, Floor Mounted	6.00	sets		
Special Purpose Outlet	1.00	sets		
Simplex Receptacle Outlet, HD	3.00	sets		
Simplex Receptacle Outlet for Emergency Light	20.00	sets		
One Gang One Device Switch	13.00	sets		
One Gang Two Device Switch	9.00	sets		
One Gang Three Device Switch	2.00	sets		
One Gang Three Way Device Switch	1.00	sets		
Junction Box	201.00	sets		
Utility Box	90.00	sets		
Square Box	20.00	sets		
Pullbox	1.00	lot		
Second Floor Wiring Devices				
Duplex Convenience Outlet, Wall Mounted	47.00	sets		
Duplex Convenience Outlet, Floor Mounted	85.00	sets		
Simplex Receptacle Outlet, HD	3.00	sets		
Simplex Receptacle Outlet for Emergency Light	23.00	sets		
One Gang One Device Switch	11.00	sets		
One Gang Two Device Switch	10.00	sets		
One Gang Three Device Switch	3.00	sets		
One Gang Three Way Device Switch	1.00	sets		
Junction Box	229.00	sets		
Utility Box	113.00	sets		
Square Box	47.00	sets		
Sub-Total Amount				
Raceways				
Ground Floor Raceways				
100mm Ø IMC (DP-1), (MCB), (ATS-2)	124.00	lgts		
90mm Ø IMC (ATS-1)	26.00	lgts		
32mm Ø IMC (ELEV, ACCU G-1, PP1)	47.00	lgts		
25mm Ø IMC (LP1)	4.00	lgts		
20mm Ø IMC	748.00	lgts		
15mm Ø FMC	102.00	lm		
15 mm Ø FMC Straight Connector	204.00	pcs		
Conduit Fittings and Supports	1.00	lot		

	Second Floor Raceways				
	80mm Ø IMC (DP2)	16.00	lgth/s		
	50mm Ø IMC (ACCU 2-1)	7.00	lgts		
	40mm Ø IMC	17.00	lgts		
	32mm Ø IMC (PPAC2)	4.00	lgts		
	32mm Ø IMC (ACCU 2-2)	17.00	lgts		
	25mm Ø IMC (ACCU 2-3)	4.00	lgts		
	20mm Ø IMC	689.00	lgts		
	15mm Ø FMC	96.00	lm		
	15 mm Ø FMC Straight Connector	192.00	pcs		
	Conduit Fittings and Supports	1.00	lot		
	Fourth Floor Raceways				
	90mm Ø IMC (DP4)	20.00	lgts		
	50mm Ø IMC (PPM4)	3.00	lgts		
	Roof Deck Floor Raceways				
	25mm Ø IMC (SEF-2)	10.00	lgts		
	20mm Ø IMC (PZF-1, FAF-1, BP/3&4)	19.00	lgts		
	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.				
	Ground Floor Lighting Devices				
	Downlight 1x9W LED, Cool White or Daylight, 180mm diameter x 220mm height, Recessed Mounted Downlight with Glass Cover (L1)	152.00	sets		
	2x36W Recessed T-Runner Type Lighting Fixture (L2)	20.00	sets		
	Exit Light (L6)	2.00	sets		
	Second Floor Lighting Devices				
	Downlight 1x9W LED, Cool White or Daylight, 180mm diameter x 220mm height, Recessed Mounted Downlight with Glass Cover (L1)	92.00	sets		
	2x36W Recessed T-Runner Type Lighting Fixture (L2)	93.00	sets		
	Exit Light (L6)	1.00	sets		
	Sub-Total Amount				
	Grounding and Lightning Protection System				
	Supply, delivery and termination of Grounding and Lightning Protection System including fittings, necessary supports and accessories for the complete installation, in accordance with the drawings and specifications.				
	Ground Floor Grounding and Lightning Protection System				
	65mm dia PVC	61.00	lgts		
	50mm ² BCW	181.00	lm		
	Ground Rod	17.00	sets		
	Grounding Well	2.00	sets		
	Grounding Busbar	1.00	sets		
	Exothermic Weld Connector	19.00	pcs		

	Sub-Total Amount				
	Miscellaneous				
	Ground 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		
	Second 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		
	Sub-Total Amount				
	TOTAL ELECTRICAL				
8.00	TELEPHONE AND DATA				
	Raceways				
	Ground Floor Raceways				
	20mm dia IMC	30.00	lgts		
	25mm dia IMC	24.00	lgts		
	250mm x 100mm Wireway	45.00	lm		
	250mm x 100mm Horizontal Elbow	1.00	pcs		
	250mm x 100mm Horizontal Tee	1.00	pcs		
	250mm x 100mm Vertical Elbow	2.00	pcs		
	Conduit Connectors and Fittings	1.00	lot		
	Second Floor Floor Raceways				
	20mm dia IMC	16.00	lgts		
	25mm dia IMC	52.00	lgts		
	32mm dia IMC	46.00	lgts		
	40mm dia IMC	17.00	lgts		
	250mm x 100mm Wireway	51.00	lm		
	250mm x 100mm Horizontal Elbow	2.00	pcs		
	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				
	Ground Floor Boxes				
	Utility box	21.00	pcs		
	Junction box	2.00	pcs		
	Pullbox	1.00	pcs		
	Ground Floor Boxes				
	Utility box	88.00	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		
	Second 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 CARL) 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: