

Project: CONSTRUCTION OF THE NATIONAL CENTER FOR TEACHER EDUCATION (NCTE) BUILDING - (Completion)
(FORMERLY THE PNU CONVENTION CENTER AND TRAINING CENTER)

Subject: BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	DIRECT COST		UNIT COST	CONTRACT COST
				MATERIAL	LABOR		
I	GENERAL REQUIREMENTS						
1.00	Mobilization/Demobilization	1.00	lot	-	-		-
2.00	Temporary Facilities	1.00	lot	-	-		-
3.00	Construction Safety and Security, including Temporary Fences	1.00	lot	-	-		-
4.00	Project Billboard	1.00	lot	-	-		-
5.00	Equipment (Including Heavy Equipment and Scaffoldings)	1.00	lot	-	-		-
6.00	Disposal of Debris and Site Cleanup	1.00	lot	-	-		-
	Subtotal (General Requirements)						-
II	STRUCTURAL WORKS						
1.00	Reinforced Concrete Works						
1.01	Columns, Beams/Girders, Slabs, Elev. Shaft, 5000 psi	1,127.10	m ³			-	-
1.02	Stairs, including stair beams and landings, stiffener and planted columns and beams, 3000 psi	69.55	m ³			-	-
1.03	Rebar Works, Grade 60	275,244.88	kgs			-	-
1.04	Formworks and Falseworks	6,375.76	m ²			-	-
2.00	Structural Steel Works						
2.01	Steel Deck (1.2mm thk., Grade 80)	684.79	sq.m.			-	-
2.02	Structural Steel (Wide flanges, Angle Bars, etc)	87,315.27	kgs			-	-
2.03	Various Steel Plates, including steel plates for water tank skid base	20,447.85	kgs			-	-
2.04	Various Bolts	1.00	lot	-	-		-
2.05	Prime Coat	1.00	lot	-	-		-
	Subtotal (Structural Works)						-

III	ARCHITECTURAL WORKS						
1.00	Masonry Works						
1.01	Precast Concrete Wall	583.50	sq.m			-	-
1.02	Lightweight Precast Concrete Moulding	225.20	l.m.			-	-
1.03	CHB Laying, 150mm thk	1,186.49	sq.m			-	-
1.04	CHB Laying, 100mm thk	1,641.75	sq.m			-	-
1.05	Plastering Works, Exterior	2,761.60	sq.m			-	-
1.06	Plastering Works, Interior	4,574.01	sq.m			-	-
1.07	Floor Levelling/Cement Topping (25mm thk)	2,531.78	sq.m			-	-
1.08	Floor Levelling/Cement Topping at Roof Deck (50mm thk with 150 x 150 x 6mm welded wire mesh reinforcement)	1,152.69	sq.m			-	-
2.00	Doors						
2.01	D-1 Solid Tanguile Panel Door with 6mm Thick Clear Glass on Ga #16 Metal Jamb, Paint Finish	6.00	set/s			-	-
2.02	D-3 900mmx2100mm GA#18 Metal Door with Louvers on GA# 16 Metal Jamb Paint Finish	7.00	set/s			-	-
2.03	D-4 1000mmx2100mm GA#18 Metal Door with Louvers and kick plates on GA#16 Metal Jamb Paint Finish	3.00	set/s			-	-
2.04	D-5 900mmx2100mm GA#18 Metal Door with 6mm thk on GA#16 Metal Jamb Paint Finish with panic device	10.00	set/s			-	-
2.05	D-8 600mmx2100mm GA#18 Metal Door with louver on GA#16 Metal Jamb Paint Finish	24.00	set/s			-	-
2.06	D-9 900mmx2100mm 12mm thk Tempered Glass on Aluminum to Bottom Frame	80.00	set/s			-	-
2.07	D-12 12mm thk Tempered Clear Glass on Aluminum Powder Coated Framing, 2-Leaf	10.00	set/s			-	-
2.08	D-13 Ga #18 metal Door with Louvers on Ga #16 Metal Jamb, Paint Finish	3.00	set/s			-	-
3.00	Windows						
3.01	W-1: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing (verify location of window type ACU slot)	42.00	set/s			-	-

3.02	W-2: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing (verify location of window type ACU slot)	30.00	set/s				-	-
3.03	W-5: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing	4.00	set/s				-	-
3.04	W-6: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing	8.00	set/s				-	-
3.05	W-7: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing	3.00	set/s				-	-
3.06	W-8: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing	4.00	set/s				-	-
3.07	W-9: 8mm thk Tempered Low-E Clear Glass Awning Window on Aluminum Powder Coated Framing	4.00	set/s				-	-
3.08	W-10: 8mm thk Tempered Low-E Clear Glass Fixed Window on Aluminum Powder Coated Framing	1.00	set/s				-	-
3.09	W-11: 8mm thk Tempered Low-E Clear Glass Fixed Window on Aluminum Powder Coated Framing	14.00	set/s				-	-
3.10	W-12: 8mm thk Tempered Low-E Clear Glass Fixed Window on Aluminum Powder Coated Framing	10.00	set/s				-	-
3.11	W-13: 8mm thk Tempered Low-E Clear Glass fixed window on Aluminum Powdered Framing	24.00	set/s				-	-
3.12	W-14: 8mm thk Tempered Low-E Clear Glass fixed window on Aluminum Powdered Framing	6.00	set/s				-	-
4.00	Curtain Wall							
4.01	CW-1 2600mmx12600mmx8mm thk Tempered Low-E Glass on Aluminum Powder Coated Frames	1.00	set/s				-	-
4.02	CW-1a 650mmx12600mmx8mm thk Tempered Low-E Glass on Aluminum Powder Coated Frames	1.00	set/s				-	-
4.03	CW-2 4150mmx15000mmx8mm thk Tempered Low-E Glass with Awning Window on Aluminum Powder Coated Frames	2.00	set/s				-	-
4.04	CW-2a 5650mmx15000mmx8mm thk Tempered Low-E Glass on Aluminum Powder Coated Frames	2.00	set/s				-	-
5.00	Floor and Wall Finishes							

5.01	600mm x 600mm Porcelain Glazed Tiles	3,628.94	sq.m.			-	-
5.02	600mm x 600mm Porcelain Non-Skid Tiles	163.61	sq.m.			-	-
5.06	600mm x 600mm Porcelain Glazed Wall Tiles	370.89	sq.m.			-	-
5.03	Self Leveling heavy duty rubberized epoxy finish	167.10	sq.m.			-	-
5.04	Heavy-duty wall to wall Carpet with a tightly-looped, dense pile, dense backing, and a high durability rating or traffic class	412.39	sq.m.			-	-
5.05	300mm x 300mm Unglazed Ceramic Floor Tiles (Stair treads risers, and landings)	341.52	sq.m.			-	-
5.07	Supply and installation of floor-to-ceiling acoustically treated operable partitions including all necessary top and bottom track systems, locksets, and supporting accessories(Class rooms).	12.00	sets			-	-
5.08	Supply and installation of floor-to-ceiling acoustically treated operable partitions including all necessary top and bottom track systems, locksets, and supporting accessories.(Convention Center).	2.00	sets			-	-
6.00	Ceiling Finishes						
6.01	4.5mm thk Ficem Board on Metal Furring Channels with Hanger Rods	1,233.48	sq.m.			-	-
6.02	Aluminum Linear Ceiling	450.95	sq.m.			-	-
6.03	4.5mm thk Ficem Board on HD Tee Runner	124.43	sq.m.			-	-
7.00	Painting Works						
7.01	Removal of loose and flaking skimcoat and other imperfections, ready to receive painting works	1.00	lot			-	-
7.02	Exterior Concrete and Masonry Finishes	5,330.81	sq.m.			-	-
7.03	Interior Concrete and Masonry Finishes	7,378.84	sq.m.			-	-
7.04	Ceiling and Exposed Slabs and Beams	3,812.16	sq.m.			-	-
7.05	Metal finishes	504.30	sq.m.			-	-
8.00	Waterproofing Works						
8.01	Toilet: Flexible Cementitious waterproofing	178.29	sq.m.			-	-
8.02	Roof Deck: Torch-Applied Waterproofing Membrane	1,228.83	sq.m.			-	-

9.00	Miscellaneous Architectural Works						
9.01	Beveled Face Mirror	86.26	sq.m.			-	-
9.02	Stainless Steel Grab Bar	4.00	sets			-	-
9.03	Granite Countertop 19mm thick x 600mm	72.00	sq.m.			-	-
9.04	PVC Grooves	1.00	lot				-
9.05	Magnetic glassboards: 4.80 x 1.20m x 6mm thk, tempered, complete with frames and mounting boards; with adjustable marker trays and holders	20.00	sets			-	-
9.06	Supply and installation of 3mm Thk.x 5" HT Stainless steel Room Signages in all rooms	1.00	lot		-	-	-
9.07	16mm square bar with 2" dia. G.I. Pipe post Roof top fence, painted	1.00	lot		-	-	-
9.08	Supply and installation of 3mm thk. x 2" x 0.50m HT Stainless steel "Student Center" Signage letters with backlight.	1.00	lot		-	-	-
9.09	Supply and installation of 3mm thk. x 3" x 1..40m HT Stainless steel PNU logo with embedded letters and drawings with backlight.	1.00	lot		-	-	-
9.10	3 Holes provision per room for BGM-PA, Structure Cabling and Fire Alarm system (25mm pipe sleeves)	1.00	lot		-	-	-
10.00	High Pressure Laminated Toilet Partition						
10.01	Female Toilet: 4 Dividers and 5 Doors	3.00	set			-	-
10.02	Male Toilet: 3 Dividers and 3 Doors	3.00	set			-	-
10.03	Urinal Partition	15.00	set			-	-
11.00	Repair Works						
11.01	Repair and replacement of all damaged components of the entire fire exit , including flooring, stair nosing, protective railing, handrails, and other components, and restoration on affected areas.	1.00	lot		-	-	-

11.02	Repair and replacement of all damaged comfort room components from the ground to the third floor, specifically addressing floor and wall finishes, ceiling systems, countertops, cubicles/partitions, plumbing fixtures, fittings, accessories, and the tracing and remediation of all associated water leaks, and restoration on affected areas.	1.00	lot	-	-	-
11.03	Repair and replacement of all damaged railing and handrail systems located throughout the facility, covering the ground floor perimeter, student center, lift lobbies, hallways, ramps, and all associated stairs, and restoration on affected areas.	1.00	lot	-	-	-
11.04	Repair,refurbish and replacement of damaged accessories of all existing doors .	1.00	lot	-	-	-
11.05	Repair, refurbish, cleaning and replacement of damaged accessories of all existing windows and curtain wall including glass, frames, lockset and other accessories.	1.00	lot	-	-	-
12.00	Plumbing Fixtures					
12.01	Water Closet; Flush Valve Type	27.00	set			-
12.02	Lavatory (Under-the-counter type)	33.00	set			-
12.03	Urinal	18.00	set			-
12.04	Self-closing tap line (Male, Female and PWD Toilet)	33.00	set			-
12.05	Toilet paper holder and Robe hook	27.00	set			-
12.06	Electric Hand Dryer	9.00	set			-
12.07	Soap Dispenser: Shall be wall mounted, stainless steel housing with mirror finish and removable plastic globe, concealed mounting; 12 ounce capacity	15.00	set			-
13.00	Miscellaneous Metal Works					
13.01	B.I Pipe 38mm x 6m Hand Rail, Painted Finish (Fire Exit Stairs)	60.00	pcs			-
13.02	B.I Pipe 25mm x 6m Railings Painted Finish (Fire Exit Stairs)	285.00	pcs.			-
13.03	Aluminum Stair Nosing (same as existing)	342.00	l.m.			-

13.04	HD F-type Brass nosing	24.10	l.m.				-	-
14.00	Pipe Chase Flooring							
14.01	Light Rectangular Tubing, 50 x 100 x 2.0mm x 6.0m L	24.00	pcs				-	-
14.02	Angle bar, 50 x 50 x 6.0mm x 6.0m L	27.00	pcs				-	-
14.03	Fiber cement board, 4' x 8' 16mm	15.00	pcs				-	-
14.04	Miscellaneous and consumables	1.00	lot				-	-
14.05	Prime Coat	1.00	lot				-	-
15.00	Paving and Landscape Works							
15.01	Hardscape including stones, boulders, pots, gravel, bricks, with drainage line, Stamped concrete sidewalk, Brick Pavers, water feature fountain complete with pumps and supply lines and other necessary materials.	1.00	lot				-	-
15.02	Softscape including a variety of plants, garden soils, shrubs, grasses, and other necessary materials.	1.00	lot				-	-
15.03	Garden Lights and bollards	1.00	lot				-	-
	Subtotal (Architectural Works)							-
IV	ELECTRICAL WORKS							
1.0	Roughing-ins							
1.01	20 mm Φ PVC pipe	7,897.00	pcs				-	-
1.02	32 mm Φ PVC pipe	520.00	pcs				-	-
1.03	40 mm Φ PVC pipe	390.00	pcs				-	-
1.04	20 mm Φ connector	5,840.00	pcs				-	-
1.05	32 mm Φ connector	180.00	pcs				-	-
1.06	40 mm Φ connector	150.00	pcs				-	-
1.07	4" x 4" Octagonal Junction box (metal) ga.16	1,500.00	pcs				-	-
1.08	2" x 4" Utility box (metal) ga.16	357.00	pcs				-	-
1.09	Square box ga. 16	120.00	pcs				-	-
1.1	Pipes and Fittings From Service Entrance to all distribution Panels and Nema 3r Enclosure (Please see Plans for Details)	1.00	lot				-	-
2.0	Wires and Cable						-	-

2.01	3.5 sqmm THHN Stranded Wire 150m/box	675.00	box		-	-	-
2.02	5.5 sqmm THHN Stranded Wire 150m/box	60.00	box		-	-	-
2.03	8.0 sqmm THHN Stranded Wire 150m/box	45.00	box		-	-	-
2.04	Lighting Panels Feeder Wire	1.00	lot		-		-
2.05	Power Panels Feeder Wire	1.00	lot		-		-
2.06	Distribution Panels Feeder Wire Pumps and other Mechanical Panel Feeder Wire/ FRC	1.00	lot		-		-
2.07	Main Distribution Panels Feeder Wire (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
2.08	Transfer Switch Feeder Wire (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
2.09	Free Standing Nema 3R Wire (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
2.1	LVSG's Feeder Wire (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
2.11	Elevator,s Feeder Wire (See Plans For Details)	1.00	lot		-		-
2.12	Pumps and other Mechanical Panel Feeder Wire/ FRC (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
3.0	Wiring Devices				-		
3.01	One-Gang Single Switch Wide Series	6.00	set		-	-	-
3.02	Two-Gang Single Switch Wide Series	45.00	set		-	-	-
3.03	Three-Gang Single Switch Wide Series	6.00	set		-	-	-
3.04	One-Gang Outlet	84.00	set		-	-	-
3.05	Duplex Convenience Outlet Wide Series	169.00	set		-	-	-
3.06	GFCI OUTLET	19.00	set		-	-	-
3.06	Aircon Outlet	28.00	set		-	-	-
4.0	Panels and Boxes				-		
4.01	LVSG2 Panel (see plans for details) (submit technical datasheet)	1.00	lot		-		-
4.02	Lighting Panel Circuit Breakers (Bolt-On Miniature Type)	4.00	assy		-	-	-
	Main:50AT,3P, 240 Volts, 60Hz,50 AF, 15 KAIC MCCB				-		
	Branches:18				-		
	14-20AT 2P, 240 Volts, 10 KAIC 60 Hz,MCB				-		
4.03	Power Panel Circuit Breakers (Bolt-On Miniature Type)	4.00	assy		-	-	-

	Main:80AT,3P, 240 Volts, 60Hz,100 AF, 15 KAIC MCCB				-		
	Branches:16				-		
	1-50AT 3P,12-20AT 2P 240 Volts, 10 KAIC 60 Hz, MCB				-		
4.04	PP ACU (See plan for Details)	4.00	assy		-		-
4.05	PPELEV (See Plan for details)	1.00	lot		-		-
4.06	NEMA 3R for Firepump (See Plan For Details)	1.00	lot		-		-
4.07	MDP'S (See Plans for Details) (submit technical datasheet)	1.00	lot		-		-
4.08	DPE's (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
4.09	Transfer Switch MDPE and Firepump (See Plans For Details) (submit technical datasheet)	1.00	lot		-		-
4.1	PCB'S for LVSG1 and LVSG2 (See Plans for Details) (submit technical datasheet)	1.00	lot		-		-
4.11	CUT-OFF SWITCH LVSG 1 2000at, 3P (See Plans For Details) (submit technical datasheet)	1.00	assy		-		-
4.12	Lighting Arrester Installation/, including Supply of Fittings , Cables, Devices and all necessary Accessories to make the system functional	1.00	lot		-		-
4.13	Pull box and wire gutter	1.00	lot		-		-
5.0	Lighting Fixtures and Ceiling Equipment (submit technical datasheet)				-		
5.01	18 Watts LED Pinlight DL	133.00	set		-	-	-
5.02	18 Watts LED Pinlight DL E27 open Type 8"	349.00	set		-	-	-
5.03	1 x 18 Watts LED Tubular Light Box type (DL)	73.00	set		-	-	-
5.04	2 x 18 Watts LED in Troffer Type Fixture (DL)	23.00	set		-	-	-
5.05	1-18 Tubular LED in Troffer Type Fixture	220.00	set		-	-	-
5.06	Exhaust FanCeiling Mounted 12"	15.00	pcs		-	-	-
5.07	Industrial Orbit Fan 18" Blade	80.00	set		-	-	-
5.08	2 X10 Watts LED Emergency Light	55.00	pcs		-	-	-
5.09	LED Exit Light	10.00	pcs		-	-	-
5.1	LED Cove COB Striplight	95.00	m		-	-	-
6	Miscellaneous				-		
6.01	Electrical Tape	1,000.00	pcs		-	-	-
6.02	G.I. pull wire	400.00	kgs		-	-	-
6.03	butane gas	200.00	pcs		-	-	-
6.04	torch head	18.00	pcs		-	-	-
6.05	hacksaw blade	30.00	pcs		-	-	-

6.06	1" Black Screw	500.00	box		-	-	-
6.07	# 6 Plastic Tox	500.00	box		-	-	-
6.08	Drill Bit	50.00	pcs		-	-	-
6.09	4" Concrete Cutting Disc	200.00	pcs		-	-	-
6.1	Consumables	1.00	lot				-
7	Solar Energy Equipment (submit technical data sheet)	1.00	lot		-		-
7.01	50KW Solar Inverter equipment (Smart PV Contoller, Smart Power Sensor, and Smart Logger 3000A)						
7.02	Solar Panel 615-635 Watt						
7.03	Installation, framing, rough ins, wiring, testing and commissioning						
8	Testing and Commissioning						
8.01	Testing and Commissioning	1.00	lot	-	-		-
	Subtotal (Electrical Works)						
V	PLUMBING SANITARY WORKS						
1.00	PVC Pipes, Fittings and vents						
	(Including provision for rerouting of downspout that passes through pantry and installation of drain pipes on existing plant boxes)						
1.01	PVC Pipes, 250mm x 3.0m, Series 1000	14.00	pc/s			-	-
1.02	PVC Pipes, 150mm x 3.0m, Series 1000	244.00	pc/s			-	-
1.03	PVC Pipes, 125mm x 3.0m, Series 1000	6.00	pc/s			-	-
1.04	PVC Pipes, 100mm x 3.0m, Series 1000	114.00	pc/s			-	-
1.05	PVC Pipes, 75mm x 3.0m, Series 1000	14.00	pc/s			-	-
1.06	PVC Pipes, 50mm x 3.0m, Series 1000	72.00	pc/s			-	-
1.07	PVC Fittings, Including Cleanouts	1.00	lot			-	-
2.00	Floor Drains and Cleanouts						
2.01	Floor Cleanout, 125mm, S/S or S/B	4.00	pc/s			-	-
2.02	Floor Cleanout, 100mm, S/S or S/B	20.00	pc/s			-	-
2.03	Floor Cleanout, 75mm, S/S or S/B	16.00	pc/s			-	-
2.04	Deck Drain, 100mm Diameter	9.00	pc/s			-	-

2.05	Floor Drains, 75mm Diameter	44.00	pc/s			-	-
2.06	PVC P-Trap, 75mm Diameter	44.00	pc/s			-	-
2.07	Installation of Catch basins, area drain and tapping to existing drainage system	1.00	lot	-	-		-
3.00	Water Lines and vents						
	(Including tapping to new water meter)						
3.01	PPR Pipes, 150mm x 4.0m L	4.00	pc/s			-	-
3.02	PPR Pipes, 100mm x 4.0m L	4.00	pc/s			-	-
3.03	PPR Pipes, 75mm x 4.0m L	16.00	pc/s			-	-
3.04	PPR Pipes, 50mm x 4.0m L	16.00	pc/s			-	-
3.05	PPR Pipes, 25mm x 4.0m L	28.00	pc/s			-	-
3.06	PPR Pipe Fittings and Accessories	4.00	lot			-	-
4.00	Valves and Other Accessories						
4.01	Gate Valves, 75mm diameter	3.00	pc/s			-	-
4.02	Gate Valves, 50mm diameter	6.00	pc/s			-	-
4.03	Gate Valves, 32mm diameter	3.00	pc/s			-	-
4.04	Check Valves, 75mm diameter	1.00	pc/s			-	-
4.05	Flexible Connector, 75mm diameter	1.00	pc/s			-	-
4.06	Foot Valves, 75mm Diameter	1.00	pc/s			-	-
4.07	Hose Bibbs	12.00	pc/s			-	-
4.08	Water Meter	1.00	pc/s			-	-
4.09	Main check Valve, 50mm/63mm Brass with ppr to metal fittings	1.00	pc/s			-	-
4.10	Main gate Valve, 50mm/63mm Brass with ppr to metal fittings	1.00	pc/s			-	-
4.11	Other Valves and Accessories	1.00	lot			-	-
5.00	Pumps and Equipment						
	Submersible Type Transfer Pump (Existing 2 Units)						
5.01	Installation/Connection Works, including Supply of Fittings and Accessories, if Needed	2.00	sets			-	-
	S/S Panel Type Water Tanks (Existing 2 Units)						
5.02	Installation/Connection Works, including Supply of Fittings and Accessories, if Needed	2.00	sets			-	-

6.00	Repair Works						
6.02	Repair of all leaks and other concern on existing supply, sewer and drain lines, including restoration on affected area.	1.00	lot	-	-		-
7.00	Pressure test and leak test (Entire Building)	1.00	lot	-	-		-
	Subtotal (Plumbing/Sanitary Works)						-
VI	MECHANICAL WORKS						
1.00	FLOOR MOUNTED 5TR(INVERTER) (submit technical datasheet)	8.00	sets				-
	Supply and Installation of all standard accessories, labor and materials, refrigerant, insulation and drain materials						
	Testing and Commissioning						
2.00	MULTI POINT 5TR WALL MOUNTED INVERTER (submit technical data sheet)	20.00	sets		-		-
	Supply and Installation of all standard accessories, labor and materials, refrigerant, insulation and drain materials						
	Testing and Commissioning						
3.00	2.5 HP SPLIT TYPE WALL MOUNTED INVERTER (submit technical data sheet)	14.00	sets		-		-
	Supply and Installation of all standard accessories, labor and materials, refrigerant, insulation and drain materials						
	Testing and Commissioning						
4.00	2.5 HP WINDOW TYPE INVERTER (submit technical data sheet)						
	Supply and Installation of all standard accessories, labor and materials, refrigerant, insulation and	33.00	sets		-		-

	drain materials						
	Testing and Commissioning						
5.00	Elevator (submit technical data sheet)	1.00	lot				-
	Supply delivery and Installation of two (2) sets of Passenger elevator with 9 stops complete with all standard necessary equipment and accessories including labor and materials and other component to make the equipment functional						
	Testing and Commissioning						
	Upgrade of two (2) Existing Passenger Elevator						
	Supply, delivery and installation of all standard necessary equipment and accessories for additional 3 stops (6th to 8th floor) with Machine room						
	Testing and Commissioning						
	Subtotal (Mechanical Works)						-
VII	FIRE PROTECTION WORKS						
1.00	Pipes and Fittings	1.00	lot	-	-		-
2.00	Valves and Accessories	1.00	lot	-	-		-
3.00	Sprinkler Heads (Pendent, Sidewall & Upright)	1.00	lot	-	-		-
4.00	Fire Pumps and Equipment						
	Installation/Connection Works, including Supply of Fittings and Accessories, if Needed	1.00	lot	-	-		-
5.00	Fire Hose Cabinet and Fire Extinguishers (approved the DENR latest requirements)	1.00	lot	-	-		-
	Supply and installation fire hose cabinet complete with valves, hose and accessories						

	Supply and installation fire extinguisher with wall mounting in all rooms and areas as required by the BFP						
	10 lbs ABC Dry Chemical Fire Extinguisher						
	10 lbs CO2 Fire Extinguisher						
	150 lbs wheeled tye Dry Chemical Fire Extinguisher						
6.00	Fire Detection and alarm system	1.00	lot	-	-		-
	Supply and installation of complete alarm system including addressable smoke & heat detectors, manual call point, sounder and strobe, control module, panels and other accessories						
7.00	Repair of all leaks and other concerns on existing lines and restoration on affected areas	1.00	lot	-	-		-
8.00	Testing and commisioning (Entire Building)	1.00	lot	-	-		-
	Subtotal (Fire Protection Works)						-
VIII	ELECTRONICS						
1.00	IT Works	1.00	lot	-	-	-	
	24 Ports PoE Switch Hub, Software licenses, cloud manegment monitoring (submit technical data sheet)						
	Data Cabinet - 5 units						
	UPS 650 VA - 5 units (submit technical data sheet)						
	WiFi 7th generation with cloud-based wireless controller - 60 units (submit technical data sheet)						
	Wires and Cable, Cabling, 24 ports patch panel, I/O ports, RJ 45, fiber optic fiber backbone, rough ins, accessories etc. - 1 lot						

	Satellite Dish Internet connectivity with 2TB Bandwidth capacity including all peripherals components and accessories (1 year subscription) - 1 lot (submit technical data sheet)						
2.00	AUXILIARY WORKS	1.00	lot				
	2.1 Sound System: Active DSP-controlled full range loud speaker with bracket 10 pcs., 40 Channel Digital Mixing Console - 1 pc., Digital I/O stage box - 1pc., UPS 121200VA 1 pc, CAT 6A 300m - 2 rolls, Wireless Dual channel microphone set with AV case - 2 sets, Audio interface - 1 pc, power sequencer - 1 pc., customized flight case 1 - pc, speaker bracket - 8pcs. (submit technical datasheet) 2.2 consumables connectors, rough-ins, electrical supply-per speaker, contingencies, installation, configuration, testing and training - 1 lot						
3.00	Door Locks and CCTV (submit technical datasheet)						
3.01	Magnetic Door Locks with software controller, accessories, license software, Wiring and cables, rough ins, testing and commissioning - 120 units			-	-		
	CCTV 5MP with NVR and Storage, accessories, rough ins, testing and commissioning - 20 units (submit technical datasheet)	20.00	units				
3.00	Uninterrupted Power Supply	1.00	lot				
	20 KVA RACK MOUNTED UNINTERRUPTED POWER SUPPLY (UPS) WITH COMPLETE ACCESSORIES (submit technical datasheet)						
4.00	75-inch Digital Signage (submit technical evidence)	2.00	units				

o 75 inches industrial-grade panel o Support working for 24 hours a day o Backlight : DLED o Aspect Ratio: 9: 16 o Video Format: mp4, avi, mov, mkv, wmv o LCD Technology: IPS /VA o Built-in Android 11.0 system o 4 cores A55, 1.92 GHZ CPU o 4GB RAM, 32GB RAM							
	Subtotal (Electronic Works)						-
	TOTAL DIRECT COST						
	INDIRECT COST						
	Overhead, Contingencies, Miscellaneous						-
	Contractor's Profit						-
	Value-Added Tax						-
	TOTAL PROJECT COST						-

Prepared by:

Signature over printed name