



CPC10011432



**PHILIPPINE GENERAL HOSPITAL**  
The National University Hospital  
University of the Philippines Manila  
**OFFICE OF ENGINEERING AND TECHNICAL SERVICES**  
Taft Avenue, Manila

PHIC-Accredited Health Care Provider

ISO 9001:2015 Certified

**PROJECT :** P-05 RENOVATION OF GF-7th FLOOR ELEVATOR LOBBIES  
**LOCATION :** Central Block Building, PGH  
**SUBJECT :** BILL OF MATERIALS AND DETAILED COST ESTIMATE

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1.	<b>GENERAL REQUIREMENTS</b>				
	Mobilization	1.00	lot		
	Demobilization	1.00	lot		
	Bonds and Insurances	1.00	lot		
	Temporary Facilities	1.00	lot		
	Health and Safety	1.00	lot		
	Miscellaneous Items				
	As Built Plans	1.00	lot		
	Material testing	1.00	lot		
	Sub-Total General Requirements >>				
2.	<b>DEMOLITION WORKS</b>				
	Existing Floor Finishes		m2		
	Existing Wall Finishes		m2		
	Existing Ceiling Finishes		m2		
	Stair				
	Stair Landing		m2		
	Stair riser and treads		m2		
	Dismantling of Existing Railings		m		
	Dismantling of Existing Windows	1.00	lot		
	Dismantling of Existing Fire Protection	1.00	lot		
2.00	Dismantling of Existing Electrical	1.00	lot		
	Dismantling of Existing Electronic Devices	1.00	lot		
	Dismantling of Existing Air Conditioning Ducting	1.00	lot		
	Hauling and Disposal	1.00	lot		
	Sub-Total Demolition Works >>				



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
3.	ARCHITECTURAL WORKS				
	Interior Finishes				
	Floor Finishes				
	Concrete Topping		m2		
	2mm thk homogenous standard vinyl sheet		m2		
	600mmx 600mm homogenous polished tiles		m2		
	Wet Installed 25mm thk polished granite slab, provide concrete sealer on RC slab prior to installation, provide sealer on finished surface granite of granite slab, F-12		m2		
	100mm high baseboard tile, same as floor finish, B-1 (F-3)		m		
	100mm high baseboard tile, same as floor finish, B-1 (F-7)		m		
	100mm high coved sheet vinyl, same as floor finish, B-3		m		
	Ceiling Finishes				
	600mm x 600mm tegular bevelled acoustic tiles on powder coated aluminum runners, C-1		m2		
	10mm thk unispan moisture resistant gypsum board on metal furrings and runners, flat latex Perforated Ceiling, C-6		m2		
	6mm thk frosted acrylic sheet w/ s.s. cut-out design on stainless steel t-runners, G.I. hangers		m2		
	Glass Plaster Moulding		m		
	Stair Finishes				
	Finish at Landings				
	600mm x 600mm Homogenous non-skid tile,F-8		m2		
	Finish at Treads and Risers				
	300mm x 300mm non-skid tread tile with nosing,F-10		m		
	Stair Sides		m		
	Stair Soffit		m2		
	Stair Railing				
	Floor Mounted		m		
	Wall Mounted		m		
	Stair Nosing		m		
	Doors, Windows & Hardwares				
	Glass Door				
	1-700x2400 10mm thk tempered clear glass on aluminum powder coated frames,double leaf	1.00	set/s		
	1-850x2400 10mm thk tempered clear glass on aluminum powder coated frames,double leaf	1.00	set/s		
	Metal Doors				



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	2-1000x2400 44mm thk holow metal door, 18GA primed and painted steel jamb for swing door.double leaf		set/s		
	2-1000x2400 44mm thk hollow metal door, 18GA primed and painted steel jamb for double acting door.double leaf		set/s		
	800x2400 44mm thk hollow metal door 18GA primed and painted steel jamb for double acting doors.double leaf		set/s		
	Aluminum Glass Windows				
	GF-W1,GF-W7 - 4350mm x 2540 awning and fixed windows on powder coated aluminum framing		set/s		
	GF-W2,GF-W6 - 2500mm x 2540 awning and fixed windows on powder coated aluminum framing		set/s		
	GF-W3,GF-W5 - 600mm x 2540mm awning and fixed windows on powder coated aluminum framing		set/s		
	GF-W4 - 3200mm 2540mm awning and fixed windows on powder coated aluminum framing		set/s		
	2F-W1,2F-W7 - 4350mm x 2450mm awning and fixed windows on powder coated aluminum framing		set/s		
	2F-W2,2F-W6 -(4.5m2) awning and fixed windows on powder coated aluminum framing		set/s		
	2F-W3,2F-W5 - 600mm x 3200mm awning and fixed windows on powder coated aluminum framing		set/s		
	2F-W4 - 3200mm x 2300mm awning and fixed windows on powder coated aluminum framing		set/s		
	3F-W4 - 6200mm x 2700mm awning and fixed windows on powder coated aluminum framing		set/s		
	4F-W4 to 7F-W4 - 6200mm x 2700mm awning and fixed windows on powder coated aluminum framing		set/s		
	4F-W9,4F-W12,5F-W1,5F-W7,5F-W8,5F-W13,6F-W1,6F-W8,6F-W9,6F-W12,7F-W1,7F-W7,7F-W8,7F-W11		set/s		
	2400mm x 23650mm (30m2)awning and fixed windows on powder coated aluminum framing at stairs		set/s		
	Doors (To Refurbish)				
	ED-70 -700x2400mm		set/s		
	ED-80 -800x2400mm		set/s		



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	ED-90 -900x2400mm		set/s		
	ED-100 -1000x2400mm		set/s		
	EDWL-70 -700x2400mm		set/s		
	EDWL-80 -800x2400mm		set/s		
	ED-80/80 -1600x2400mm		set/s		
	ELD-80/80 -1600x2400mm		set/s		
	ELD-120/120 -2400x2400mm		set/s		
	Existing Louvers		m2		
	Door Hardware				
	Hinges				
	4.5"x4.5" S/S Heavy duty weight ball bearing hinge		nos.		
	Heavy Duty floor hinge for frameless glass doors		nos.		
	Lockset				
	Entrance-Institutional grade lever type bored lockset w/ return +dummy lockset		nos.		
	Door Closer				
	Heavy duty surface type door closer		nos.		
	Door Silencer		nos.		
	Flushbolt		nos.		
	Door Pull				
	Custom design SS door pull		nos.		
	Painting Works				
	Interior Finishes				
	At Walls				
	Semi-gloss latex painted wall finish, W-2		m2		
	Anti-bacterial paint semi-gloss finish level-1, W-3		m2		
	At Ceiling				
	Anti-bacterial paint semi-gloss finish (Level 1)		m2		
	Painted expose underslab, acrylic latex finish		m2		
	Doors and Jambs				
	At Door Panels		m2		
	At Door Jambs		m		
	Specialty Works				
	Wall Hardware				
	Crash Rail/Bumper Guard		m		
	Corner Guard		m		
	Signages and Way Findings	1.00	lot		
	<b>TOTAL ARCHITECTURAL</b>				
	Sub-Total Material Cost >>				
	Sub-Total Labor Cost >>				
	Sub-Total Architectural Works >>				



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
4.00	<b>ELECTRICAL AND AUXILIARY WORKS</b>				
	<b>Subfeeder</b>				
	Rough ins				
	20mm Ø IMC Pipe	1.00	lot		
	20mm Ø IMC L&B	1.00	lot		
	15mm Ø IMC Pipe	1.00	lot		
	15mm Ø IMC L&B	1.00	lot		
	20mm Ø Locknuts and bushings	1.00	lot		
	15mm Ø Locknuts and bushings	1.00	lot		
	Wires and Cables				
	8.0 mm² THWN Wire		box		
	3.5mm² THWN Wire		box		
	Panelboards and Circuit Breakers with enclosure				
	LP-GF Panel	1.00	assy		
	ELP-GF Panel	1.00	assy		
	LP-2F Panel	1.00	assy		
	ELP-2F Panel	1.00	assy		
	LP-3F Panel	1.00	assy		
	ELP-3F Panel	1.00	assy		
	LP-4F Panel	1.00	assy		
	ELP-4F Panel	1.00	assy		
	LP-5F Panel	1.00	assy		
	ELP-5F Panel	1.00	assy		
	LP-6F Panel	1.00	assy		
	ELP-6F Panel	1.00	assy		
	LP-7F Panel	1.00	assy		
	ELP-7F Panel	1.00	assy		
	2Pole, 30 Amperes, 230 Volts Bolt-on type Circuit Breakers with NEMA 1 enclosure		assy		
	Consummables (Connectors, tapes, screws, clamps, etc.)	1.00	lot		
	<b>Lighting/Power System</b>				
	Rough ins				
	15mm Ø EMT Pipe	1.00	lot		
	15mm Ø EMT Coupling	1.00	lot		
	15mm Ø EMT Connector	1.00	lot		
	15mm Ø FMC	1.00	lot		
	15mm Ø FMC Connector	1.00	lot		
	Junction Box with cover		pcs.		
	Utility Box		pcs.		
	Wiring devices (Switches and Duplex Convenience Outlets)				
	Single Switch		set/s		
	Two-gang Switch		set/s		
	Three-gang Switch		set/s		
	Duplex Convenience Outlets		sets		
	Lighting Fixtures and Exit Lights				



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	150 mm Ø 1x15W. 220 V., daylight LED bulbs		units		
	in recessed mounted downlight				
	150 mm Ø 1x5W. 220 V., daylight LED bulbs		units		
	in recessed mounted downlight				
	8W., 220 Volts, Directional Exit lights complete with		units		
	chargeable battery pack, wall mounted/				
	ceiling suspended				
	<b>Sub-Total Material Cost &gt;&gt;</b>				
	<b>Sub-Total Labor Cost &gt;&gt;</b>				
	<b>Total Electrical &gt;&gt;</b>				
	<b>Fire Detection and Alarm System</b>				
	Fire Detection and Alarm System				
	Rough ins				
	50mm Ø IMC Pipe		m		
	50mm Ø IMC L&B		prs		
	25mm Ø IMC Pipe		m		
	25mm Ø IMC L&B		prs		
	Junction Box		nos.		
	Utility Box		nos.		
	Square Box		nos.		
	Pull Box		nos.		
	Wires and Cables				
	#16 AWG Shielded Twisted Pair		m		
	#16 AWG 2/C Shielded Twisted Pair		m		
	Wiring Devices				
	Addressable Smoke Detector		set/s		
	Addressable Control Module		set/s		
	Manual Pull Station		set/s		
	Fire Alarm Speaker w/ Strobe Light		set/s		
	Fireman's Telephone Jack		set/s		
	Fireman's Master Telephone		set/s		
	Supervisory Switch		set/s		
	Flow Switch		set/s		
	Monitor Module		set/s		
	Sub-FACP		set/s		
	Evac Panel		set/s		
	<b>Public Address System</b>				
	Rough ins				
	50mm Ø IMC Pipe		m		
	50mm Ø IMC L&B		prs		
	25mm Ø IMC Pipe		m		
	25mm Ø IMC L&B		prs		
	Junction Box		nos.		



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	Square Box		nos.		
	Pull Box		nos.		
	Wires and Cables				
	#16 AWG Shielded Twisted Pair		m		
	Wiring Devices				
	6W Ceiling-mounted Speaker		set/s		
	Main System Management Amplifier		set/s		
	Network Amplifiers		set/s		
	Remote Microphone w/ Chime and Zone Selector		set/s		
	Emergency Voice Evacuation Board		set/s		
	All-in Media Player		set/s		
	Back-up Power Supply UPS		set/s		
	Extension Microphone		set/s		
	Equipment Metal Rack Complete w/ Accessories		set/s		
	Structured Cabling				
	Rough ins				
	32mm Ø IMC Pipe		m		
	32mm Ø IMC L&B		prs		
	25mm Ø IMC Pipe		m		
	25mm Ø IMC L&B		prs		
	20mm Ø IMC Pipe		m		
	20mm Ø IMC L&B		prs		
	Utility Box		nos.		
	Square Box		nos.		
	Pull Box		nos.		
	MDF		nos.		
	IDF		nos.		
	#24 AWG CAT6A		m		
	Dual Port 1/0, Wall-mounted		nos.		
	CCTV System				
	Rough ins				
	32mm Ø IMC Pipe		m		
	32mm Ø IMC L&B		prs		
	25mm Ø IMC Pipe		m		
	25mm Ø IMC L&B		prs		
	Junction Box		nos.		
	Square Box		nos.		
	Pull Box		nos.		
	Testing and Commissioning	1.00	lot		
	Sub-Total Material Cost >>				
	Sub-Total Labor Cost >>				
	Sub-Total Auxiliary Works >>				



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
6.00	FIRE PROTECTION WORKS				
	Sprinkler Heads		nos.		
	Pendent				
	Black Iron Pipes schedule 40		m		
	25mm diameter		m		
	32mm diameter		m		
	40mm diameter		m		
	50mm diameter		m		
	100mm diameter				
	Black Iron Pipe Fittings				
	Mechanical Tee		nos.		
	100mm x 25mm		nos.		
	100mm x 32mm		nos.		
	100mm x 40mm		nos.		
	100mm x 50mm				
	Tee Victaulic Type		nos.		
	100mm x 40mm		nos.		
	100mm x 100mm				
	Victaulic Coupling		nos.		
	100mm diameter				
	Tee Threaded Type		nos.		
	25mm x 25mm		nos.		
	32mm x 25mm		nos.		
	32mm x 32mm		nos.		
	40mm x 25mm		nos.		
	40mm x 40mm		nos.		
	50mm x 25mm		nos.		
	50mm x 40mm		nos.		
	50mm x 50mm				
	Pipe Reducer		nos.		
	25mm x 15mm		nos.		
	32mm x 25mm		nos.		
	40mm x 25mm		nos.		
	40mm x 32mm		nos.		
	50mm x 25mm		nos.		
	50mm x 32mm		nos.		
	50mm x 40mm				
	90 degree Bends		nos.		
	25mm diameter		nos.		
	32mm diameter		nos.		
	40mm diameter		nos.		
	50mm diameter		nos.		
	100mm diameter Victaulic Type				



ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	Blind Flange				
	100mm diameter		nos.		
	Pipe Supports				
	Pipe Hangers				
	25mm diameter		nos.		
	32mm diameter		nos.		
	40mm diameter		nos.		
	50mm diameter		nos.		
	100mm diameter		nos.		
	2-Way Sway Brace				
	100mm diameter		nos.		
			nos.		
	Fire Hose Cabinet				
		1.00	lot		
	Testing and Commissioning				
	Sub-Total Material Cost >>				
	Sub-Total Labor Cost >>				
	Sub-Total Fire Protection Works >>				
	TOTAL DIRECT COST				