



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

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
1,	GENERAL REQUREMENTS				
	Mobilization	1.00	lot		
	Demobilization	1.00	lot		
	Bonds and Insurances	1.00	lot		The second second line
ar automine	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 >>				-He In He St. St. St.
2.	DEMOLITION WORKS				
	Existing Floor Finishes		m2		
10	Existing Wall Finishes		m2		
	Existing Ceiling Finishes		m2		
	Stair			- Steel at Wilson	
	Stair Landing		m2		
-311	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		
V- IVEN	Dismantling of Existing Electronic Devices	1.00	lot	1	
	Dismantling of Existing Air Conditioning Ducting	1.00	lot		
	Hauling and Disposal	1.00	lot		
	Sub-Total Demolition Works >>				

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
3.	ARCHITECTURAL WORKS				
	Interior Finishes				
	Floor Finishes				in the terminal to the second
	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,		m		
	B-1 (F-3) 100mm high baseboard tile, same as floor finish, B-		m		
	1 (F-7) 100mm high coved sheet vinyl, same as floor finish. B-3		m		
	Ceiling Finishes				
	600mm x 600mm tegular bevelled acoustic tiles		- TOW		910000
	on powder coated aluminum runners. C-1		m2		
	10mm thk unispan moisture resistant gypsum board on metal furrings and runners. flat latex		m2		
	Perforated Ceiling, C-6		m2		
	6mm thk frosted acrylic sheet w/ s.s. cut-out		m2		300
	design on stainless steel t-runners. G.I. hangers		1112		
	Glass Plaster Moulding		m		
	Stair Finishes				
	Finish at Landings	W	Sample PLYING		
	600mm x 600mm Homogenous non-skid tile,F-8	74 NO 318.	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	ecitionis in the control of			
	Glass Door				
	1-700x2400 10mm thk tempered clear glass on	1.00	set/s		
	aluminum powder coated frames, double leaf				
	1-850x2400 10mm thk tempered clear glass on	1.00	set/s		
	aluminum powder coated frames,double leaf Metal Doors	Carrier - Carrier			

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
-	2-1000x2400 44mm thk holow metal door, 18GA			A STATE OF THE STA	
	primed and painted steel jamb for swing		set/s	İ	
	door double leaf				
	2-1000x2400 44mm thk hollow metal door, 18GA				
	primed and painted steel jamb for double acting		set/s	1	
	door.double leaf				
	800x2400 44mm thk hollow metal door 18GA			7.	
	primed and painted steel jamb for double acting		set/s		
	doors.double leaf	20 To 10 To			
INCHES -	Aluminum Glass Windows				
	GF-W1,GF-W7 - 4350mm x 2540 awning and fixed		set/s		
- 1	windows on powder coated aluminum framing				
	GF-W2,GF-W6 - 2500mm x 2540 awning and fixed				
			set/s		
	windows on powder coated aluminum framing				
	GF-W3,GF-W5 - 600mm x 2540mm awning and				
	fixed windows on powder coated aluminum		set/s		
	framing				110
	GF-W4 - 3200mm 2540mm awning and fixed				THE PERSONNELL
1			set/s		
	windows on powder coated aluminum framing				
	2F-W1,2F-W7 - 4350mm x 2450mm awning and				
	fixed windows on powder coated aluminum		set/s		
	framing			PROGRAMMENT CONTRACTOR	
	2F-W2,2F-W6 -(4.5m2) awning and fixed windows	(V)	02/30		
			set/s		
	on powder coated aluminum framing			2000	The second second
	2F-W3,2F-W5 - 600mm x 3200mm awning and			_	
	fixed windows on powder coated aluminum		set/s		
	framing				
	2F-W4 - 3200mm x 2300mm awning and fixed		10119		
	N IN N I		set/s		
	windows on powder coated aluminum framing			We distribute the second	
	3F-W4 - 6200mm x 2700mm awning and fixed				
1	1 1 1 1 E 1 E 1 E		set/s		
	windows on powder coated aluminum framing				
	4F-W4 to 7F-W4 - 6200mm x 2700mm awning and		ant/a		
	fixed windows on powder coated aluminum		set/s		
	framing	1050			
	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-		set/s		
	W11				
	2400mm x 23650mm (30m2)awning and fixed		set/s		
	windows on powder coated aluminum framing at		351/3		
	stairs				
AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I	Doors (To Refurbish)				
	ED-70 -700x2400mm		set/s		1611
	ED-80 -800x2400mm		set/s		

TEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	ED-90 -900x2400mm		set/s		
	ED-100 -1000x2400mm		set/s		
	EDWL-70 -700x2400mm	ar all transports	set/s	The state of the s	
	EDWL-80 -800x2400mm		set/s		
	ED-80/80 -1600x2400mm		set/s	And the second s	Access to the same of the same
	ELD-80/80 -1600x2400mm		set/s		
	ELD-120/120 -2400x2400mm		set/s		
	Existing Louvers		m2		
	Door Hardwares			OUT-AND AND SHIP OF TAXABLE PINC	cressil esseniusive.
-	Hinges				
	4.5"x4.5" S/S Heavy duty weight ball bearing hinge		nos.		Mr He Was Market
	Heavy Duty floor hinge for frameless glass doors		nos.		
	Lockset			TO A STATE OF THE PARTY.	
	Entrance-Institutional grade lever type bored lockset w/ return +dummy lockset		nos.		
	Door Closer				
	Heavy duty surface type door closer		nos.		
	Door Silencer		nos.		The second of th
	Flushbolt		nos.		
	Door Pull				
	Custom design SS door pull		nos.	A COMPANY OF THE PARTY OF THE P	
	Painting Works				
	Interior Finishes			The second secon	
	At Walls				
	Semi-gloss latex painted wall finish, W-2		m2	Type - Till I I I I I	
	Anti-bacterial paint semi-gloss finish level-1, W-3		m2		
	At Ceiling				
	Anti-bacterial paint semi-gloss finish (Level 1)	A PORTO DE LA CONTRACTOR DE LA CONTRACTO	m2		
	Painted expose underslab, acrylic latex finish	111	m2	1185	
	Doors and Jambs				
	At Door Panels •		m2		
	At Door Jambs		m	Control of the second	C
			-, 100		
	Specialty Works				
	Wall Hardwares				
	Crash Rail/Bumper Guard		m		
	Corner Guard		m		
	Signages and Way Findings	1.00	lot		
	TOTAL ARCHITECTURAL				
	Sub-Total Material Cost >>				
	Sub-Total Labor Cost >>				
7	Sub-Total Architectural Works >>				multi Maria Salahari

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
4.00	ELECTRICAL AND AUXILIARY WORKS				
4.00	Subfeeder				
	Rough ins				
	20mm Ø IMC Pipe	1.00	lot		
	20mm Ø IMC L&B	1.00	lot		TO EIGHT AND THE
	15mm Ø IMC Pipe	1.00	lot		
	15mm Ø IMC L&B	1.00	lot		
	20mm Ø Locknuts and bushings	1.00	lot		W
	15mm Ø Locknuts and bushings	1.00	lot		
	Wires and Cables		100		
	8.0 mm² THWN Wire		box		
	3.5mm² THWN Wire		box		
	Panelboards and Circuit Breakers with enclosure		110000000000000000000000000000000000000		ty inner in the
	LP-GF Panel	1.00	assy		A STATE OF THE STA
	ELP-GF Panel	1.00	assy		
A 100 00 0	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		
10. 2.4.47	2Pole, 30 Amperes, 230 Volts Bolt-on type Circuit Breakers with		assy		
	NEMA 1 enclosure				
	Consummables (Connectors, tapes, screws, clamps, etc.)	1.00	lot		
20	Lighting/Power System				
an or constant	Rough ins				
	15mm Ø EMT Pipe		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	- N	set/s		
	Three-gang Switch		set/s		
	Duplex Convenience Outlets Lighting Fixtures and Exit Lights	The state of the s	sets		

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	150 mm Ø 1x15W. 220 V., daylight LED bulbs		units		10.
	in recessed mounted downlight				
	150 mm Ø 1x5W. 220 V., daylight LED bulbs		units		
	in recessed mounted downlight		unito		
	8W., 220 Volts, Directional Exit lights complete with		units		N-198-11-1-188
tine and the second	chargeable battery pack, wall mounted/		dillo		
	ceiling suspended				
	Sub-Total Material Cost >>				
0.000	Sub-Total Labor Cost >>				
	Total Electrical >>				
	Fire Detection and Alarm System		(0-5115-V/2-17		
	Fire Detection and Alarm System				
	Rough ins				Water Street
	50mm Ø IMC Pipe		m		
	50mm Ø IMC L&B	on the company of	prs		
	25mm Ø IMC Pipe		m		
	25mm Ø IMC L&B		prs		
	Junction Box		nos.		
	Utility Box		nos.		
	Square Box		nos.		
	Pull Box		nos.		
Alexandrev.	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		
	Public Address System				
	Rough ins				
	50mm Ø IMC Pipe		m		
	50mm Ø IMC L&B	· /	prs		
	25mm Ø IMC Pipe	and the second	m		
	25mm Ø IMC L&B		prs		
20,001	Junction Box		nos.		

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	Square Box		nos.		
UTIAL STATE	Pull Box		nos.	With Modern and the second	- Wall - San San San San
	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	A	
	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	NS.	m		
	25mm Ø IMC L&B		prs		
	20mm Ø IMC Pipe		m		
	20mm Ø IMC L&B		prs		
	Utility Box		nos.	(Apprile 2	any - I
	Square Box		nos.		
MANAGE VOLUME OF STREET	Pull Box		nos.		
	MDF		nos.		
75-E-0-75-77-78-77	IDF		nos.		
	#24 AWG CAT6A		m		
	Dual Port 1/0, Wall-mounted		nos.		
-	CCTV System				
	Rough ins				
	32mm Ø IMC Pipe		m		
77.10	32mm Ø IMC L&B		prs		400 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 - 1000 -
	25mm Ø IMC Pipe		m		
	25mm Ø IMC L&B		prs		1200-1100-1100
	Junction Box		nos.		
	Square Box		nos.		
	Pull Box		nos.		
	Testing and Commissioning	1.00	lot		
	Sub-Total Material Cost >>				
	Sub-Total Material Cost >>				
_	Sub-Total Auxiliary Works >>				

TEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
2.00					
6.00	FIRE PROTECTION WORKS				
	Sprinkler Heads		nos.		
	Pendent	2016/			
	Black Iron Pipes schedule 40		m		
	25mm diameter		m		
200	32mm diameter	ALONG THE RESIDENCE OF THE PERSON OF THE PER	m		
	40mm diameter		m		A STATE OF THE STA
	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.		
\neg	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.		
Santasania	50mm x 40mm		nos.		
	50mm x 50mm	200 200 200 200			
	Pipe Reducer		nos.		
	25mm x 15mm		nos.		
	32mm x 25mm		nos.		
	40mm x 25mm		nos.		
	40mm x 32mm		nos.		
	50mm x 25mm		nos.	P 112 NOSE 17	
	50mm x 32mm		nos.		
MACH COLUMN	50mm x 40mm				-
	90 degree Bends		nos.		
	25mm diameter		nos.		
	32mm diameter	-40.	nos.		
-	40mm diameter	The state of the s	nos.		
	50mm diameter		nos.		
American	100mm diameter Victaulic Type				

NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	AMOUNT
	Blind Flange				NA THE LEGISLAND
10-12-	100mm diameter		nos.		
	Pipe Supports				
	Pipe Hangers		nov		
	25mm diameter		nos.		
	32mm diameter		nos.		
-	40mm diameter		nos.		
	50mm diameter		nos.		
	100mm diameter		1103,		
	2-Way Sway Brace		nos.		
	100mm diameter		1103.		1-0
\dashv	Fire Hose Cabinet		nos.		
	. We note capillet	1.00	las		
	Testing and Commissioning	1.00	lot		Harket
	Sub-Total Material Cost >>				
	Sub-Total Labor Cost >>				
	Sub-Total Fire Protection Works >>				
	TOTAL DIRECT COST				