



UNIVERSITY OF THE PHILIPPINES MANILA
The Health Sciences Center
BIDS AND AWARDS COMMITTEE 2 (BAC 2)

08 November 2021

Bid Bulletin No. 1

***Construction of Philippine General Hospital Felicidad Sy
Multi-Specialty Building-Phase 2, University of the
Philippines Manila***

This Bid Bulletin No.1 is being issued to modify or amend items in the Bidding Documents.

A. Revision on the Blank Bill of Quantities.

This Bid Bulletin shall form part of the Bidding Documents. All terms, conditions and instructions to bidders specified in the Bidding Documents inconsistent herewith are hereby superseded and modified accordingly.

For guidance and information of all concerned.


MARIA ELIZA RUIZ AGUILA, PhD
Chair

Archion

Architects Interior Designers Planners Urban Designers

G/F PIECO Bldg. 2242 Don Chino Roces Ave., Makati City

Philippine General Hospital Infrastructure Project Felicidad Sy Multi-Specialty Building

UNIVERSITY OF THE PHILIPPINES – MANILA
TAFT AVENUE, ERMITA, MANILA

BILL OF MATERIALS

Prepared By:

ARCHION ARCHITECTS

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PRC Reg. No.: 9243
Valid Until: December 17, 2021
PTR No.: 8539260
Date Issued: 01/07/21
Issued at: Makati City
TIN No. 172 958 490

FOR TENDER
DATE: OCT 27 2021



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PHILIPPINE GENERAL HOSPITAL
Infrastructure Project
FELICIDAD SY MULTI-SPECIALTY BUILDING
ERMITA, MANILA CITY

RECOMMENDING APPROVAL:

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PROJECT: PGH MULTI-SPECIALTY HOSPITAL BUILDING PHASE 2		
LOCATION: PGH, ERMITA, MANILA		
SUBJECT: FINAL SUMMARY		
Item	Description	Amount
A	Structural Works	
1	Concreting (8th Floor to Roof Deck)	
2	Structural Steel Works	
	Subtotal for Structural Works	
B	MEPF Works (Provisional due to No Plans)	
1	Roughing-Ins (8th Floor to Roof Deck)	
2	Temporary Lighting for Parking Area	
	Subtotal for MEPF Works	
C	Architectural Works	
1	Exterior Wall	
2	Waterproofing Works	
3	Exterior Finishes	
3.1	Doors & Hardware	
3.2	Windows	
3.3	Mouldings	
3.4	Façade Painting	
	Subtotal for Architectural Works	
D	Parking Area (Finishes)	
E	Connecting Bridge	
F	General Requirements	
G	Other General Requirements	
	Total Direct Cost	
H	Contractor's Profit	
I	Overhead, Contingencies and Misc.	
J	Contractor's Tax (12% of EDC+CP+OCM)	
K	Total Indirect Cost	
L	Total Estimated Project Cost	

PROJECT TITLE : Philippine General Hospital Infrastructure Project Felicidad Sy Multi-Specialty Building (Phase 2)
LOCATION : UP-PGH Compound, Ermita, Manila
SUBJECT : BILL OF QUANTITIES AND COST ESTIMATE

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
A.	Structural Works				
	1 Concreting Works				
	a. Concrete (5000psi)				
	a.1 Columns	404.00	cu.m		
	a.2 Suspended Beams/Girders	1,633.00	cu.m		
	a.3 Suspended Slabs	1,339.00	cu.m		
	a.4 Concrete Walls	1,185.00	cu.m		
	a.5 Stairs	99.00	cu.m		
	Sub-Total for Concrete	4,660.00	cu.m		
	b. Rebars				
	b.1 Grade 40				
	Suspended Beams/Girders	11,639.00	kgs		
	Columns	890.00	kgs		
	Suspended Slabs	83,842.00	kgs		
	Stairs	1,802.00	kgs		
	b.2 Grade 60				
	Suspended Beams/Girders	540,553.00	kgs		
	Suspended Slabs	61,805.00	kgs		
	Columns	91,263.00	kgs		
	Concrete Walls	41,334.00	kgs		
	Stairs	10,763.00	kgs		
	b.3 Grade 75				
	Columns	78,416.00	kgs		
	Concrete Walls	135,218.00	kgs		
	Sub-Total for Rebars	1,057,525.00	kgs		
	c. Formworks				
	c.1 Suspended Beams/Girders	9,230.00	sq.m		
	c.2 Suspended Slabs	10,449.00	sq.m		
	c.3 Columns	2,253.00	sq.m		
	c.4 Concrete Walls	7,132.00	sq.m		
	c.5 Stairs	546.00	sq.m		
	Sub-Total for Formworks	29,610.00	sq.m		
	d. Construction Joint	1,066.00	l.m.		
	2 Concrete Canopy				
	a. Concrete	49.00	cu.m		
	b. Formworks	342.00	sqm		
	c. Rebar	3,859.00	kgs		
	3 Ledge				
	a. Concrete	154.00	cu.m		
	b. Formworks	1,078.00	sq.m		
	c. Rebar	12,166.00	kgs		
	Sub-Total for Concreting Works				
	4 Structural Steel				
	a. to Ramps	95,373.00	kgs		
	b. to Separator Beams	3,957.00	kgs		
	c. to Roofing	208,972.00	kgs		

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
	d. Metal Deck	784.00	sq.m		
	e. Stairs				
	Access to Underground	465.00	kgs		
	Access to Genset	564.00	kgs		
	f. to Glass Canopy	6,845.00	kgs		
	g. Bolts				
	Chembolt 36mm	320.00	pcs		
	Chembolt 25mm	256.00	pcs		
	Chembolt 16mm	272.00	pcs		
	Anchor Bolt 25mm	84.00	pcs		
	Anchor Bolt 20m	76.00	pcs		
	Anchor Bolt 16mm	152.00	pcs		
	Anchor Bolt 12mm	76.00	pcs		
	Anchor Bolt 10m	608.00	pcs		
	Sub-Total for Structural Steel	309,331.00	kgs		
	Sub-Total for Structural Works				
B.	Architectural Works				
	1 Exterior Walls				
	a. RC Walls				
	Concrete	966.00	cu.m		
	Rebar	76,241.00	kgs		
	Formworks	6,756.00	sq.m		
	b. Preparation for Painting	12,868.00	sq.m		
	c. 15mm x 15mm PVC Architectural Grooves	2,509.00	lm		
	Sub-Total for Exterior Walls				
	2 Waterproofing / Thermal Insulation Works				
	a. to Roof Deck				
	Torch on Membrane Waterproofing	3,001.00	sq.m		
	Integral Waterproofing	600.00	cum		
	b. to Underground Utilities				
	Crystalline Waterproofing w/ Epoxy Tank Lining	8,217.00	sq.m		
	c. to Ledge				
	Exposed Type Liquid Applied Waterproofing	1,694.00	sq.m		
	d. to Drip Mould	1,540.00	lm		
	3 Topping				
	a. to Roofdeck	4,400.00	sq.m		
	Sub-Total for Waterproofing Works				
	4 Doors including Hardware				
	a. To Exterior / Façade				
	Aluminum Framed Glass Door				
	12mm thk. Highly reflective tempered glass				
	2.35m 2.0m	1.00	sets		
	2.60m 1.80m	1.00	sets		
	2.70m 1.40m	9.00	sets		
	Louver Door				
	18 GA aluminum storm resistant louver in powder coat finish				
	2.10m 1.40m (Double Leaf)	2.00	sets		
	2.45m 1.40m (Double Leaf)	3.00	sets		
	2.45m 1.90m (Double Leaf)	1.00	sets		

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
	2.45m 2.00m (Double Leaf)	2.00	sets		
	Sub-Total for Exterior Doors				
	5 Windows				
	a. To Exterior / Façade				
	Fixed Window w/ Hopper Window				
	10mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	2.02m x 3.45m	2.00	sets		
	3.00m x 2.77m	3.00	sets		
	Awning Window w/ Hopper Window				
	10mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	1.75m x 1.79m	52.00	sets		
	1.75m x 2.62m	87.00	sets		
	1.75m x 2.77m	1.00	sets		
	1.75m x 3.19m	1.00	sets		
	1.75m x 3.45m	49.00	sets		
	1.75m x 4.02m	20.00	sets		
	Awing Window w/ Fixed Window				
	10mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	1.75m x 3.45m	6.00	sets		
	2.95m x 2.77m	8.00	sets		
	2.95m x 3.19m	4.00	sets		
	Fixed Window w/ Awning Window				
	10mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	3.35m x 4.02m	2.00	sets		
	3.35m x 1.79m	4.00	sets		
	12mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	4.90m x L	2.00	sets		
	4.90m x 8.60m	1.00	sets		
	4.90m x 10.75m	1.00	sets		
	Fixed Window				
	10mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	1.75m x 2.62m	5.00	sets		
	1.75m x 3.45m	5.00	sets		
	1.75m x 4.02m	3.00	sets		
	2.95m x 3.19m	2.00	sets		
	10mm thk double glazed highly reflective tempered glass fixed window in PVDF extruded aluminum frames				
	4.55m x 3.19m	4.00	sets		
	Fixed Window w/ Awning & Hopper Window				
	10mm thk highly reflective tempered glass in PVDF extruded aluminum frames				
	4.55m x 2.36m	8.00	sets		
	4.55m x 3.19m	1.00	sets		
	Open				
	1.75m x 4.02m	10.00	sets		
	1.75m x 1.79m	21.00	sets		
	1.75m x 2.77m	9.00	sets		
	1.75m x 3.19m	4.00	sets		
	1.79m x 3.45m	5.00	sets		
	2.02m x 2.77m	8.00	sets		
	2.95m x 3.19m	1.00	sets		
	Fixed Bay Window w/ Hopper & Awning Window				

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
	8mm and 10mm thk highly reflective tempered glass in PVDF aluminum frames				
	3.42m x 8.1m	1.00	sets		
	3.42m x 9.2m	8.00	sets		
	4.0m x 8.1m	3.00	sets		
	Fixed Bay Window w/ Hopper Window				
	8mm and 10mm thk highly reflective tempered glass in PVDF aluminum frames				
	3.42m x L	2.00	sets		
	4.00m x 9.2m	40.00	sets		
	4.00m x L	6.00	sets		
	Louver Window				
	18 GA aluminum storm resistant louver in powder coat finish				
	1.33m x 1.79m	11.00	sets		
	1.33m x 2.51m	1.00	sets		
	1.75m x 3.19m	2.00	sets		
	3.10m x 2.93m	2.00	sets		
	3.35m x 1.79m	4.00	sets		
	3.35m x 3.19m	1.00	sets		
	3.35m x 4.02m	3.00	sets		
	Lead line window				
	10mm thk highly reflective tempered glass in lead lined steel frame				
	2.95m x 3.19m	2.00	sets		
	Sub-Total for Exterior Windows				
	6 Exterior Mouldings				
	a. Window A Molding	925.00	lm		
	b. Window B Molding	1,654.00	lm		
	c. Window C Molding	912.00	lm		
	d. Window D Molding	2,258.00	lm		
	e. Window E Molding	83.00	lm		
	f. Window F Molding	75.00	lm		
	g. Window G Molding	261.00	lm		
	h. Window H Molding	209.00	lm		
	i. Window I Molding	86.00	lm		
	J. Window J Molding	83.00	lm		
	k. Window K Molding	34.00	lm		
	m. Now Window A Molding	336.00	lm		
	n. Now Window B Molding	376.00	lm		
	o. Arched Window A Molding	1,217.00	lm		
	p. Arched Window B Molding	650.00	lm		
	q. Front	1,538.00	lm		
	r. Rear	1,497.00	lm		
	s. Right Side	809.00	lm		
	t. Left Side	909.00	lm		
	Sub-Total for Exterior Mouldings				
	7 Painting				
	a. Exterior / Façade				
	Textured Paint	8,462.00	sq.m		
	Sub-Total for Architectural Works				
C.	MEPF Works				
	1 Roughing-ins to Superstructure (8th Floor to Roof Deck)				
	Electrical				
	a. Lighting Layout				

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
	20mm IMC	10,000.00	lm		
	Octagonal Box	4,000.00	pcs		
	b. Power Layout				
	20mm IMC	8,000.00	lm		
	Subtotal Electrical				
	Auxiliary				
	a. FDAS				
	25mm PVC	150.00	lm		
	50mm PVC	90.00	lm		
	4" x 4" Square Box	40.00	pcs		
	b. PA System				
	50mm PVC	80.00	lm		
	4" x 4" Square Box	10.00	pcs		
	Subtotal Auxiliary				
	Plumbing				
	a. Sleeves				
	200mm PVC	1.00	pc		
	150mm PVC	350.00	pcs		
	100mm PVC	10.00	pcs		
	75mm PVC	950.00	pcs		
	Subtotal Plumbing				
	Fire Protection				
	a. Sleeves				
	32mm	600.00	pcs		
	40mm	150.00	pcs		
	50mm	120.00	pcs		
	65mm	50.00	pcs		
	150mm	220.00	pcs		
	Subtotal Fire Protection				
	Sub-Total for Roughing-ins to Superstructure (8th Floor to Roof Deck)				
	2 Temporary Lighting for Parking Area				
	a. 15mm dia. IMC Pipe	1,000.00	lgth		
	b. 4" x 4" Octagonal Box	200.00	pcs		
	c. 3.5mm2 THHN	3,000.00	lm		
	d. 2-gang switch	16.00	pcs		
	e. 2" x 4" Utility Box	16.00	pcs		
	f. 2x16W LED Tube w/ Enclosure	180.00	sets		
	g. Temporary Power Provision (3Phase - 3 Wire + Ground power supply from PGH Central Block to MSB)	1.00	lot		
	h. Panelboard Lighting Panel Main: 100AF/50AT, 3Ø+G, 400V, 18KAIC MCCB Branches: 20AT, 50AF, 1P Enclosure: NEMA-1 Mounting: Surface Mounted	2.00	assy		
	i. Hanger and Support	1.00	lot		

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
	Sub-Total for Temporary Lighting				
	Sub-Total for MEPF Works				
D.	Parking Area				
	a. Temporary Board up	638.00	sq.m		
	b. Floor Finishes				
	Parking (PU-epoxy)	3,140.00	sq.m		
	c. Ceiling Finishes				
	Rubbed Concrete	3,668.00	sq.m		
	d. Wall Finishes				
	Parking (Flat Acrylic Latex)	3,501.00	sq.m		
	e. Painting				
	to Ceiling (Flat Acrylic Latex)	3,668.00	sq.m		
	Traffic Paint	336.00	sq.m		
	Steel Deck (Flat Acrylic Latex)	707.00	sq.m		
	to Structural Steel (Flat Acrylic Latex)	778.00	sq.m		
	f. Miscellaneous Metals				
	Bollards	8.00	sets		
	Corner Guard	119.00	sets		
	g. Concrete Curbs	23.00	cu.m		
	h. Wheel stop	67.00	pc		
	Sub-Total for Parking				
E.	Connecting Bridge				
	1 Structural Works				
	a. Concrete (5000psi)	34.00	cu.m		
	b. Formworks	78.00	sq.m		
	c. Rebar Grade 40	1,357.00	kgs		
	d. Rebar Grade 60	1,175.00	kgs		
	e. Structural Steel (A36)	16,037.00	kgs		
	f. Metal Deck	99.00	sq.m		
	g.	12.00	m		
	Expansion Joint over 200mm Seismic Gap				
	h. Anchor Bolt 25mm	48.00	pcs		
	i. Anchor Bolt 10mm	288.00	pcs		
	2 Architectural Works				
	a. Plastering	233.00	sq.m		
	b. Precast Concrete				
	Cladding	117.00	sq.m		
	Moulding	96.00	lm		
	Zocallo	32.00	sq.m		
	Railing	48.00	lm		
	Baluster	48.00	set		
	100 x 100mm Topsill	48.00	lm		
	Concrete Bracket	18.00	lm		
	c. Painting				
	Elastomeric Paint	388.00	sq.m		
	Automotive Spray Paint	8.00	sq.m		
	d.	125.00	sq.m		
	GA24 Pre-painted GI Stile Roofing + 19mm thk Marine Plywood Undersheeting				
	e. Floor Finishes				
		106.00	sq.m		
	300mm x 300mm x 10mm Anti-Slip, Non-skid Homogeneous, Floor Tiles				

ITEM NO.	WORK DESCRIPTIONS	QTY.	UNIT	UNIT COST	AMOUNT
	f. Ceiling Finishes				
	200mm wide Aluminum Ceiling Spandrel in Powder Coat Finish	198.00	sq.m		
	g. Waterproofing				
	to Gutter	35.00	sq.m		
	h. Drip Mould	48.00	lm		
	Sub-Total for Connecting Bridge				
E.	General Requirements				
	1 Temporary Facilities				
	a. Fence (On site)	200.00	lm		
	b. Guard House (On Site)	1.00	lot		
	c. Site Office				
	On-site	25.00	m2		
	Off-site	100.00	m2		
	d. Structured Cabling				included
	e. Power Distribution Supplies	1.00	lot		
	f. Water Distribution Supplies	1.00	lot		
	i. Formworks / Rebar Compound	150.00	m2		
	j. Material Storage Compound	100.00	m2		
	k. Motorpool Shed	75.00	m2		
	l. Curing Tank	40.00	m2		
	m. Wheel Washing Facility	-		-	by Phase 1 Contractor
	n. Canteen / Mess Hall	30.00	m2		
	t. Fence (Staging)	200.00	lm		
	u. Guard House (Staging)	1.00	lot		
	2 Plant & Equipment	10.00	mos		
	Sub-Total for General Requirements				
	Subtotal Direct Works				
H.	Other General Requirements				
	1 Safety & Security	10.00	mos		
	2 Street Roof Net (Canopy)	600.00	m2		
	3 Safety Net	10,000.00	m2		
	4 Perimeter Umbrella	800.00	m2		
	5 Safety Barricade	2,500.00	lm		
	6 Staging Area				
	a. On Site	-		-	included
	b. Off-site	10.00	mos		
	7 Barracks	10.00	mos		
	8 Erect / Dismantle Tower Crane	1.00	lot		
	9 Erect / Dismantle Passenger Elevator	1.00	lot		
	Sub-Total for Other General Requirements				
	GRAND TOTAL:				