



## **Bid Bulletin No. 2**

August 5, 2019

### **Public Bidding No. 19-225-5**

## **PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN BUILDING PHASE I**

Issued pursuant to Sec. 22.5 of the IRR of R.A. 9184 to clarify and/or amend certain provisions in the Bidding Documents issued for this project.

### **A. AMENDMENTS**

<b>REFERENCE</b>	<b>BASES FOR AMENDMENT</b>
<b>SECTION VIII. BILL OF QUANTITIES</b>	
<b><u>Bill of Quantities:</u></b> <ul style="list-style-type: none"><li>• <u>General Requirements</u></li><li>• <u>Architectural Works</u></li><li>• <u>Civil/Structural Works</u></li><li>• <u>Mechanical Works</u></li><li>• <u>Electrical Works</u></li><li>• <u>Plumbing Works</u></li></ul>	To include the prescribed form of Bill of Quantities for bidders reference.

All other portions of the Bidding Documents affected by these amendments shall be made to conform to the same.

Amendments/inclusions/clarifications made herein shall be considered an integral part of the Bidding Documents.

(Sgd.)  
**WEBSTER M. LAUREÑANA**  
*Chairperson, PS BAC V*

**BILL OF QUANTITIES**  
**GENERAL REQUIREMENTS**  
**PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN BUILDING, PHASE 1**  
 Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
	<b>GENERAL REQUIREMENTS</b>				
<b>A</b>	MOBILIZATION AND DEMOBILIZATION	1.00	lot		
<b>B</b>	TEMPORARY FACILITIES	1.00	lot		
<b>C</b>	SAFETY, SECURITY AND HEALTH	1.00	lot		
<b>D</b>	PERMITS	1.00	lot		
	D.1 Building Permit.				
	D.2 Electrical Analysis with Sign and Seal of Plans (If applicable)				
	D.3 Structural Analysis with Sign and Seal of Plans (If applicable)				
	D.4 Mechanical Analysis with Sign and Seal of Plans (If applicable)				
	D.5 Plumbing Analysis with Sign and Seal of Plans (If applicable)				
<b>GEAND TOTAL FOR GENERAL REQUIREMENTS (in words)</b>					

Authorized Representative:  
 Signature:  
 Company:  
 Date:





Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
<b>2</b>	<b>Windows</b>				
	Supply & installation of windows & frames including painting, hardware and fixing accessories, and usage of equipment and tools to complete the Works as per Architect's Specifications				
	<b>W1</b> Combination of Fixed and awning type Window on aluminum frame with 6mm thk tempered glass W 5.85m X H 2.50 m	8.00	set		
	<b>W2</b> Combination of Fixed and awning type Window on aluminum frame with 6mm thk tempered glass W 3.65 x H 2.50 m	1.00	set		
	<b>W3</b> Combination of Fixed and awning type Window on aluminum frame with 6mm thk tempered glass W 2.8 m X H 2.50m	4.00	set		
	<b>W4</b> Awning type window on aluminum frame with 6mm thk tempered glass W 2.80 x H 1.20 m	3.00	set		
	<b>W5</b> Awning type window on aluminum frame with 6mm thk tempered glass W 2.10 x H 1.20 m	1.00	set		
	<b>W6</b> Awning type window on aluminum frame with 6mm thk tempered glass W 0.80 x H 2.60 m	6.00	set		
	<b>W7</b> Awning type window on aluminum frame with 6mm thk tempered glass W 0.80 x H 0.80 m	8.00	set		
<b>D</b>	<b>FINISHES</b>				
<b>1</b>	<b>Floor Finishes</b>				
	Supply and installation of floor finishes, including all necessary accessories to complete the work				
	1.1 60X60 cm Porcelain ceramic Floor Tiles	880	pcs		
	1.2 60X60 cm Porcelain ceramic Floor Tiles	137	pcs		
	1.3 30X30 cm Unglazed ceramic floor tiles	145	pcs		
	1.4 Cement mortar				
	Cement	20.00	bags		
	Sand	4.00	cu.m		
	1.5 Tile adhesive (25kg/bag)	60.00	bag		
	1.6 Tile grout (25kg/bag)	190.00	bag		
<b>SUB-TOTAL FOR THIS PAGE</b>					

Authorized Representative:  
Signature:  
Company:  
Date:

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
<b>2</b>	<b>Wall Finishes</b>				
	Supply and installation of wall finishes, including all necessary accessories to complete the work				
	2.1 30X30 cm glazed ceramic wall tiles	917	pcs		
	2.2 Tile adhesive (25kg/bag)	14	bags		
	2.3 Tile grout (2kg/bag)	40	bags		
	2.4 Cement mortar				
	Cement	12.00	bags		
	Sand	1.50	cu.m		
<b>3</b>	<b>PAINTING WORKS</b>				
	Supply and application of interior paint including surface preparation, covering and or protection of floor, walls and other works including use of tools and equipment and all necessary items to complete the works				
<b>3.1</b>	<b>Interior Wall Painting(color)</b>				
	Neutralizer	6.00	ltr		
	Primer	107.00	ltr		
	Putty	178.00	ltr		
	Top Coat	192.00	ltr		
	Paint Brush (101mm)	20.00	pcs		
	Brush Roller ( 152mm)	15.00	pcs		
	Paint Tray	5.00	pcs		
	Sand Paper per 100 pcs	2.00	pcs		
	<b>SUB-TOTAL FOR THIS PAGE</b>				
	<b>GRAND TOTAL FOR ARCHITECTURAL WORKS</b>				

Authorized Representative:

Signature:

Company:

Date:

Republic of the Philippines  
Department of Health

**BILL OF QUANTITIES  
CIVIL/STRUCTURAL WORKS**

**PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN, PHASE 1**

25TH AC DELGADO ST., PORT AREA, MANILA

Project Name and Location

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
<b>A. SOIL/EARTHWORKS</b>					
a.1	Excavation	357.500	cu.m.		
a.2	Earthfill/Borrowed Backfill & Soil Compaction	312.000	cu.m.		
a.3	Gravel Bedding	21.000	cu.m.		
a.4	Soil Poisoning	230.500	sq.m		
a.5	Soil Improvement (Jet grouting)	1.000	lot		
	<b>SUB-TOTAL:</b>				
<b>B. REINFORCED CONCRETE WORKS</b>					
b.1	Lean Concrete - 1500psi	12.000	cu.m.		
b.2	Ready Mix Concrete - 4000psi (mat footing)	138.500	cu.m.		
b.3	Ready Mix Concrete - 4000psi (wall footing)	4.500	cu.m.		
b.4	Ready Mix Concrete - 4000psi (columns) - footing to 2F	16.000	cu.m.		
b.5	Ready Mix Concrete - 4000psi (columns) - 2F to 3F	11.000	cu.m.		
b.6	Ready Mix Concrete - 4000psi (columns) - 3F to roof	16.000	cu.m.		
b.7	Ready Mix Concrete - 4000psi (tie beams)	10.000	cu.m.		
b.8	Ready Mix Concrete - 4000psi (2F beams)	14.500	cu.m.		
b.9	Ready Mix Concrete - 4000psi (3F beams)	14.500	cu.m.		
b.10	Ready Mix Concrete - 4000psi (roof beams)	10.000	cu.m.		
b.11	Ready Mix Concrete - 4000psi (stair) - GF to 2F	3.500	cu.m.		
b.12	Ready Mix Concrete - 4000psi (stair) - 2F to 3F	3.500	cu.m.		
b.13	Ready Mix Concrete - 4000psi (stair) - 3F to roof	3.500	cu.m.		
b.14	Ready Mix Concrete - 4000psi (slab - ground)	17.000	cu.m.		
b.15	Ready Mix Concrete - 4000psi (slab - 2F)	17.500	cu.m.		
b.16	Ready Mix Concrete - 4000psi (slab - 3F)	17.500	cu.m.		
b.17	Ready Mix Concrete - 4000psi (slab - roof)	20.500	cu.m.		
	<b>SUB-TOTAL</b>				
<b>C. REINFORCING STEEL WORKS</b>					
<b>Mat Footing</b>					
c.1	25mm.dia. RSB (Fy=414MPa)	19,026.00	kgs.		
<b>Wall Footing</b>					
c.2	12mm.dia. RSB (Fy=275MPa)	160.00	kgs.		
<b>Columns</b>					
c.3	25mm.dia. RSB (Fy=414MPa) - footing to 2F	3,815.00	kgs.		
c.4	10mm.dia. RSB (Fy=275MPa) - footing to 2F	1,419.00	kgs.		
c.5	25mm.dia. RSB (Fy=414MPa) - 2F to 3F	2,543.00	kgs.		
c.6	10mm.dia. RSB (Fy=275MPa) - 2F to 3F	984.00	kgs.		
c.7	25mm.dia. RSB (Fy=414MPa) - 3F to roof	3,741.00	kgs.		
c.8	10mm.dia. RSB (Fy=275MPa) - 3F to roof	1,642.00	kgs.		

Authorized Representative:  
Signature:  
Company:  
Date:

Item No.	DESCRIPTION	QTY	UNIT	EST. DIRECT COST	Mark-Up in Percent ocm
(1)	(2)	(3)	(4)	(8)	(9)
					12%
<b>Beams</b>					
c.9	20mm.dia. RSB (Fy=414MPa) - tie beams	1,332.00	kgs.		
c.10	12mm.dia. RSB (Fy=275MPa) - tie beams	863.00	kgs.		
c.11	20mm.dia. RSB (Fy=414MPa) - 2F beams	2,947.00	kgs.		
c.12	12mm.dia. RSB (Fy=275MPa) - 2F beams	1,337.00	kgs.		
c.13	20mm.dia. RSB (Fy=414MPa) - 3F beams	2,947.00	kgs.		
c.14	12mm.dia. RSB (Fy=275MPa) - 3F beams	1,337.00	kgs.		
c.15	20mm.dia. RSB (Fy=414MPa) - roof beams	1,977.00	kgs.		
c.16	10mm.dia. RSB (Fy=275MPa) - roof beams	653.00	kgs.		
<b>Stairs</b>					
c.17	20mm.dia. RSB (Fy=414MPa) - GF to 2F	52.00	kgs.		
c.18	16mm.dia. RSB (Fy=414MPa) - GF to 2F	381.00	kgs.		
c.19	12mm.dia. RSB (Fy=275MPa) - GF to 2F	270.00	kgs.		
c.20	10mm.dia. RSB (Fy=275MPa) - GF to 2F	36.00	kgs.		
c.21	20mm.dia. RSB (Fy=414MPa) - 2F to 3F	52.00	kgs.		
c.22	16mm.dia. RSB (Fy=414MPa) - 2F to 3F	381.00	kgs.		
c.23	12mm.dia. RSB (Fy=275MPa) - 2F to 3F	256.00	kgs.		
c.24	10mm.dia. RSB (Fy=275MPa) - 2F to 3F	36.00	kgs.		
c.25	20mm.dia. RSB (Fy=414MPa) - 3F to roof	52.00	kgs.		
c.26	16mm.dia. RSB (Fy=414MPa) - 3F to roof	381.00	kgs.		
c.27	12mm.dia. RSB (Fy=275MPa) - 3F to roof	256.00	kgs.		
c.28	10mm.dia. RSB (Fy=275MPa) - 3F to roof	36.00	kgs.		
<b>Slabs</b>					
c.29	10mm.dia. RSB (Fy=275MPa) - GF	572.00	kgs.		
c.30	12mm.dia. RSB (Fy=275MPa) - 2F	2,205.00	kgs.		
c.31	12mm.dia. RSB (Fy=275MPa) - 3F	2,205.00	kgs.		
c.32	10mm.dia. RSB (Fy=275MPa) - 3F	32.00	kgs.		
c.33	12mm.dia. RSB (Fy=275MPa) - roof	2,482.00	kgs.		
c.34	10mm.dia. RSB (Fy=275MPa) - roof	24.00	kgs.		
<b>CHB Walls</b>					
c.35	10mm.dia. RSB (Fy=230MPa) - GF	2,249.00	kgs.		
c.36	#16 G.I. Tie Wire	1,468.00	kgs.		
	<b>SUB-TOTAL</b>				
<b>D. FORMWORKS AND SCAFFOLDINGS</b>					
d.1	Formworks	1,447.00	sq.m.		
d.2	Steel Scaffoldings	100.00	sets		
	<b>SUB-TOTAL</b>				
<b>GRAND TOTAL FOR CIVIL/STRUCTURAL WORKS</b>					

Authorized Representative:  
Signature:  
Company:  
Date:

Republic of the Philippines  
Department of Health

**BILL OF QUANTITIES**

**BUREAU OF QUARANTINE MAIN BUILDING, PHASE 1**  
Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
<b>A.</b>	<b><u>VENTILATION AND AIR CONDITIONING</u></b>				
A.1	<b>EXHAUST/SUPPLY FANS</b>				
A.1.1	20 lps, cassette type	5.00	pieces		
A.1.2	50 lps, cassette type	1.00	pieces		
	<b>sub-total</b>				
A.2	<b>AIR CONDITIONERS</b>				
A.2.1	1.0 TR fan coil unit, wall mounted	1.00	pieces		
A.2.2	1.5 TR fan coil unit, ceiling mounted	2.00	pieces		
A.2.3	2.0 TR fan coil unit, ceiling mounted	5.00	pieces		
A.2.4	3.0 TR fan coil unit, ceiling mounted	2.00	pieces		
A.2.5	7.0 TR air cooled condensing unit, VRV/VRF	3.00	pieces		
	<b>sub-total</b>				
A.3	<b>DUCTWORKS</b>				
A.3.1	100mmØ exhaust air vent, SS	5.00	pcs		
A.3.2	150mmØ exhaust air vent, SS	1.00	pcs		
A.3.3	100mmØ exhaust air duct, GI	6.00	meters		
A.3.4	150mmØ exhaust air duct, GI	4.00	meters		
	<b>sub-total</b>				
A.4	<b>Hangers, Brackets and Welding Materials</b>				
A.4.1	15mmØ hanger rod, continuous thread	30.00	meters		
A.4.2	3x25mm flat bar, mild steel	24.00	meters		
A.4.3	12mmØ expansion bolt	94.00	pcs		
A.4.4	acetylene	2.50	cyls		
A.4.5	oxygen	6.00	cyls		
A.4.6	welding rod	6.00	kgs		
A.4.7	cotton rags	4.00	kgs		
	<b>sub-total</b>				
A.5	<b>Signages and Painting</b>				
A.5.1	primer paint	1.00	gallons		
A.5.2	enamel	1.00	gallons		
A.5.3	paint brush	4.00	pieces		
A.5.4	thinner	1.00	gallons		
A.5.5	name/ID tags	13.00	pieces		
A.5.6	steel brush	2.00	pieces		
	<b>sub-total</b>				

Authorized Representative:

Signature:

Company:

Date:



## BILL OF QUANTITIES

### BUREAU OF QUARANTINE MAIN BUILDING, PHASE 1

Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
A.6	<b>PIPES, REFRIGERANT, MISC HARDWARE</b>				
A.6.1	refrigerant tubes, insulated	138.00	meters		
A.6.2	refrigerant	4.00	kgs		
A.6.3	20mmØ condensate drain	60.00	meters		
A.6.4	15mmØ bolts and nuts with washers	18.00	pairs		
A.6.5	20mmØ bolts and nuts with washers	28.00	pairs		
A.6.6	2.0mm <sup>2</sup> power cord, type SEO, grounding type	45.00	meters		
A.6.7	3.5mm <sup>2</sup> power cord, type SEO, grounding type	12.00	meters		
A.6.8	5.5mm <sup>2</sup> power cord, type SEO, grounding type	59.00	meters		
A.6.9	electrical tape, rubber	4.00	roll		
	sub-total				
	<b>TOTAL (VENTILATION AND AIRCONDITIONING)</b>				

Authorized Representative:

Signature:

Company:

Date:



## BILL OF QUANTITIES

Electrical Works

### PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

BUREAU OF QUARANTINE, 25th ST., PORT AREA, MANILA

Project Name and Location

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
C	Roughing-In				
1	20 mmΦ uPVC Pipe	284	pcs.		
2	20 mmΦ uPVC Adapter	374	pcs.		
3	20 mmΦ uPVC Coupling	142	pcs.		
4	20 mmΦ uPVC Elbow	45	pcs.		
5	20 mmΦ Locknut & Bushing	374	pcs.		
6	25 mmΦ uPVC Pipe	31	pcs.		
7	25 mmΦ uPVC Adapter	6	pcs.		
8	25 mmΦ uPVC Coupling	16	pcs.		
9	25 mmΦ uPVC Elbow	6	pcs.		
10	25 mmΦ Locknut & Bushing	6	pcs.		
11	32 mmΦ uPVC Pipe	1	pcs.		
12	32 mmΦ uPVC Adapter	2	pcs.		
13	32 mmΦ uPVC Elbow	2	pcs.		
14	32 mmΦ Locknut & Bushing	2	pcs.		
15	40 mmΦ uPVC Pipe	1	pcs.		
16	40 mmΦ uPVC Adapter	2	pcs.		
17	40 mmΦ uPVC Elbow	2	pcs.		
18	40 mmΦ Locknut & Bushing	2	pcs.		
19	63 mmΦ uPVC Pipe	4	pcs.		
20	63 mmΦ uPVC Adapter	2	pcs.		
21	63 mmΦ uPVC Coupling	3	pcs.		
22	63 mmΦ uPVC Elbow	3	pcs.		
23	63 mmΦ Locknut & Bushing	2	pcs.		
24	Junction Box w/ Cover	200	pcs.		
25	Utility Box	104	pcs.		
26	Pullbox	6	pcs.		
27	Secondary Rock	6	sets		
28	Pullboxes, supports, hangers and gutters	1	lot		
D	Wires and Cables				
1	3.5 sq. mm. THWN	13	rolls		
2	5.5 sq. mm. TW	1	roll		
	<b>Sub-Total for this Page</b>				

**NOTE:** 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of detailed estimate.

Submitted by: \_\_\_\_\_

Name of the Representative of the Bidder : \_\_\_\_\_

Date : \_\_\_\_\_

Position : \_\_\_\_\_

Name of the Bidder : \_\_\_\_\_

**BILL OF QUANTITIES**  
Electrical Works

**PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1**  
**BUREAU OF QUARANTINE, 25th ST., PORT AREA, MANILA**  
Project Name and Location

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
3	8.0 sq. mm. THWN	2	rolls		
4	8.0 sq. mm. TW	5	mts		
5	14 sq. mm. THWN	15	mts		
6	14 sq. mm. TW	70	mts		
7	30 sq. mm. THWN	15	mts		
8	80 sq. mm. THWN	210	mts		
E	Panelboards, Circuit Breakers and Equipments				
1	CB in NEMA Enclosure 40AT/100AF, 240 V, 10 KAIC, 3P, BO	3	assy		
2	NLP1- Main : 50AT/100AF, 3P 240VAC, 25KAIC Bolt-On MCCB Branches : 15 - 20AT/100AF, 240 V, 10 KAIC, 2P 3 - 30AT/100AF, 240 V, 10 KAIC, 2P	1	assy		
3	PPACU1 - Main : 100AT/100AF, 3P 240VAC, 25KAIC Bolt-On MCCB Branches : 3 - 40AT/100AF, 240 V, 10 KAIC, 3P 6 - 30AT/100AF, 240 V, 10 KAIC, 2P	1	assy		
4	DP1 Main : 175AT/225AF, 3P 240VAC, 42KAIC Bolt-On MCCB Branches : 1 - 50AT/100AF, 240 V, 25 KAIC, 3P 2 - 100AT/100AF, 240 V, 25 KAIC, 3P	1	assy		
F	Miscellaneous				
1	Electrical PVC Tape	33	rolls		
2	G.I. Wire gauge 16	10	kgs		
3	Hacksaw Blade	21	pcs		
4	Assorted Tox, screw, nails, drill bits, etc.	1	lot		
	<b>Sub-Total for this Page</b>				

NOTE: 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of detailed estimate.

Submitted by: \_\_\_\_\_

Name of the Representative of the Bidder : \_\_\_\_\_

Date : \_\_\_\_\_

Position : \_\_\_\_\_

Name of the Bidder : \_\_\_\_\_

## BILL OF QUANTITIES

Electrical Works

### PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

BUREAU OF QUARANTINE, 25th ST., PORT AREA, MANILA

Project Name and Location

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
	<b>G Auxiliary System</b>				
	<b>J.1 Fire Detection and Alarm System</b>				
	<b>Auxiliary Devices</b>				
1	Smoke Detector	13	sets		
2	Heat Detector	1	sets		
3	Annunciator	3	sets		
4	Fire Alarm Bell, 6 inch. Dia	3	sets		
5	Fire Alarm Manual Push-Button Station	3	sets		
	<b>Roughing-Ins</b>				
1	15 mmΦ EMT Pipe	44	length		
2	15 mmΦ EMT Connector	21	pcs.		
3	15 mmΦ EMT Elbow	12	pcs.		
4	15 mmΦ EMT Locknut & Bushing	44	pcs.		
5	25 mmΦ EMT Pipe	14	length		
6	25 mmΦ EMT Connector	6	pcs.		
7	25 mmΦ EMT Elbow	6	pcs.		
8	25 mmΦ EMT Locknut & Bushing	6	pcs.		
9	Utility Box, Metallic	9	pcs		
10	Junction Box, Metallic	23	pcs		
11	Hangers and Supports	1	lot		
	<b>Wires and Cables</b>				
1	#16 AWG 2C TF Shielded Twisted Wire	3	rolls		
	<b>Panelboards and Circuit Breakers</b>				
	Fire Alarm Control Panel, 4-Zones	1	assy		
	complete hardware and accessories				
	<b>Miscellaneous</b>				
1	Electrical PVC Tape	6	rolls		
2	G.I. Wire gauge 16	5	kgs		
3	Hacksaw Blade	6	pcs		
4	Assorted Tox, screw, nails, drill bits, etc.	1	lot		
	<b>Sub-Total for this Page</b>				

**NOTE:** 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of detailed estimate.


Submitted by: \_\_\_\_\_

Name of the Representative of the Bidder : \_\_\_\_\_

Date : \_\_\_\_\_

Position : \_\_\_\_\_

Name of the Bidder : \_\_\_\_\_



**BILL OF QUANTITIES**  
Electrical Works

**PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1**  
BUREAU OF QUARANTINE, 25th ST., PORT AREA, MANILA  
Project Name and Location

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
G.2	Local Area Network & Telephone System				
1	One Gang Data Outlet	16	pcs		
2	Two Gang Data Outlet	9	pcs		
	Roughing-Ins				
1	15 mmΦ EMT Pipe	108	length		
2	15 mmΦ EMT Connector	54	pcs.		
3	15 mmΦ EMT Elbow	50	pcs.		
4	15 mmΦ EMT Locknut & Bushing	50	pcs.		
5	25 mmΦ EMT Pipe	14	length		
6	25 mmΦ EMT Connector	6	pcs.		
7	25 mmΦ EMT Elbow	6	pcs.		
8	25 mmΦ EMT Locknut & Bushing	6	pcs.		
9	Utility Box, Metallic	9	pcs		
10	Hangers and Supports	1	lot		
	Wires and Cables				
1	#24 AWG Cat6 UTP Cable	3	rolls		
	Panelboards and Circuit Breakers				
1	Wall Mounted IDF Cabinets 1ft. (6U) 19.5"W x 23.5" D x 3.5"H. bare structure w/ four (4) standard vertical mounting rails w/square holes, glass front door w/lock, detachable vented back door, 2-vented detachable side panels with 4CO Power Outlet a & 2 Exhaust Fans complete w/ accessories	1	assy		
2	16 ports switch, Switching Fabric: 3.2 Gbps Power Input: 100 -240Vac 50/60 Hz internal universal power supply complete w/ accessories	3	assy		
	<b>Sub-Total for this Page</b>				

NOTE: 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of detailed estimate.

Submitted by: \_\_\_\_\_

Name of the Representative of the Bidder: \_\_\_\_\_

Date: \_\_\_\_\_

Position: \_\_\_\_\_

Name of the Bidder: \_\_\_\_\_



## BILL OF QUANTITIES

Electrical Works

### PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

BUREAU OF QUARANTINE, 25th ST., PORT AREA, MANILA

Project Name and Location

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
	Miscellaneous				
1	Electrical PVC Tape	3	rolls		
2	G.I. Wire gauge 16	2	kgs		
3	Hacksaw Blade	3	pcs		
4	Assorted Tox, screw, nails, drill bits, etc.	1	lot		
G.4	Master Antenna Television System				
1	MATV Outlet	3	pcs		
	Roughing-Ins				
1	15 mmΦ EMT Pipe	11	length		
2	15 mmΦ EMT Connector	9	pcs.		
3	15 mmΦ EMT Elbow	6	pcs.		
4	15 mmΦ EMT Locknut & Bushing	6	pcs.		
5	Utility Box	3	pcs		
6	Hangers and Supports	1	lot		
	Wires and Cables				
1	RG-6/U Coaxial Cable 90% Braided	1	roll		
	Panelboards and Circuit Breakers				
1	4 Way TV VCR CATV Cable TV Antenna Signal	1	assy		
	Amplifier Splitter				
	Miscellaneous				
1	Electrical PVC Tape	3	rolls		
2	G.I. Wire gauge 16	2	kgs		
3	Hacksaw Blade	3	pcs		
4	Assorted Tox, screw, nails, drill bits, etc.	1	lot		
	<i>Sub-Total for this Page</i>				
<b>GRAND TOTAL FOR ALL ELECTRICAL WORKS P =</b>					

**NOTE:** 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of detailed estimate.

Submitted by: \_\_\_\_\_

Name of the Representative of the Bidder : \_\_\_\_\_

Date : \_\_\_\_\_

Position : \_\_\_\_\_

Name of the Bidder : \_\_\_\_\_



## BILL OF QUANTITIES PLUMBING WORKS

### PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN, PHASE 1

Port Area, Manila

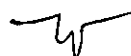
Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
<b>A. Clean Water Line</b>					
	20mm PPR female adapter	26.00	pcs		
	20mm PPR tee (no thread)	21.00	pcs		
	50mm PPR tee (no thread)	3.00	pcs		
	50mm x 20mm PPR reducer tee (no thread)	1.00	pc		
	20mm PPR 90° elbow (no thread)	39.00	pcs		
	50mm PPR 90° elbow (no thread)	20.00	pcs		
	50mm PPR tee (no thread)	1.00	pc		
	check valve	3.00	pcs		
	gate valve	9.00	pcs		
	50mm PPR cap	2.00	pcs		
	G.I. Nipple 20mm (assorted)	26.00	pcs		
	50mm dia. x 4m PN20 PPR pipe	17.00	pcs		
	20mm dia. x 4m PN20 PPR pipe	13.00	pcs		
<b>B. Non-potable Water Line</b>					
	20mm PPR female adapter	10.00	pcs		
	20mm PPR tee (no thread)	4.00	pcs		
	50mm PPR tee (no thread)	3.00	pcs		
	50mm x 20mm PPR reducer tee (no thread)	3.00	pcs		
	20mm PPR 90° elbow (no thread)	18.00	pcs		
	50mm PPR 90° elbow (no thread)	1.00	pc		
	gate valve	6.00	pcs		
	50mm PPR cap	1.00	pc		
	G.I. Nipple 20mm	10.00	pcs		
	50mm x 4m PN20 PPR pipe	8.00	pc		
	20mm x 4m PN20 PPR pipe	10.00	pc		
<b>C. Sewage and waste water line</b>					
	6"x6" wye	2.00	pcs		
	6"x4" wye	2.00	pcs		
	6"x4" reducer	2.00	pcs		
	6" X 10ft PVC pipe orange	4.00	pcs		
	4"x4" wye	13.00	pcs		
	4" clean out	10.00	pcs		
	4" 90° elbow	15.00	pcs		
	4" 45° elbow	3.00	pcs		
	4" sanitary tee	2.00	pcs		
	4" X 10ft PVC pipe orange	16.00	pcs		
	4"x2" wye	4.00	pcs		
	4"x2" double wye	2.00	pcs		
	2"x2" wye	7.00	pcs		
	2" sanitary tee	1.00	pc		
	2" 45° elbow	22.00	pcs		
	2" 90° elbow	21.00	pcs		
	2" p-trap	17.00	pcs		
	2" X 10ft PVC pipe orange	10.00	pcs		
	<b>SUBTOTAL FOR THIS PAGE</b>				
<b>D. Vent line</b>					
	2" 90° elbow	24.00	pcs		

Authorized Representative:

Signature:

Company:

Date:



## BILL OF QUANTITIES PLUMBING WORKS

### PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN, PHASE 1

Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
	2" 45° elbow	4.00	pcs		
	2" sanitary tee	17.00	pcs		
	2" X 10ft PVC pipe orange	23.00	pcs		
<b>E. Storm Drainage Line</b>					
	75mm X 100mm x 8ft uPVC Downspout	44.00	pcs		
	75mm downspout wye	2.00	pcs		
	75mm 90° downspout elbow	9.00	pcs		
	4" X 10ft PVC pipe orange	6.00	pcs		
<b>F. Aircon Drain System</b>					
	40mm dia. HDPE Pipe	32.00	lm		
	32mm dia. HDPE Pipe	46.00	lm		
	40mm x 32mm Wye	7.00	pcs		
	32mm Wye	7.00	pcs		
	90° elbow 32mm dia.	9.00	pcs		
	45° elbow 32mm dia.	17.00	pcs		
	Flexible Hose 32mm	10.00	pcs		
	Floor clean out	6.00	pcs		
<b>G. Plumbing fixtures</b>					
	1000mm x 500mm Stainless steel sink w/ gooseneck faucet	1.00	set		
	water closet dual flush w/ bidet	2.00	sets		
	urinal	2.00	sets		
	lavatory w/ faucet	7.00	sets		
	Shower head w/ valve	2.00	sets		
	hose bibb	2.00	pcs		
	floor drain w/ strainer	7.00	pcs		
	roof drain	9.00	pcs		
<b>H. Miscellaneous</b>					
	Underground Cistern tank (HDPE) 12000liters	1.00	set		
	Booster pump	1.00	set		
	Foot Valve	1.00	set		
	Float Valve	1.00	set		
	solvent cement	3.00	gal		
	teflon tape	30.00	rolls		
<b>I. Other</b>					
	Excavation	20.00	sq.m		
	Backfilling	15.00	sq.m		
	Catch basin (7 set)				
	cement	62.00	bags		
	sand	4.00	cu.m.		
	gravel	1.50	cu.m.		
	10mm RSB	47.00	pcs		
	tie wire	1.00	kg		
	CHB 4"	383.00	pcs		
	Septic tank (1 lot)				
	cement	73.00	bags		
	sand	4.00	cu.m.		
	gravel	3.00	cu.m.		
	10mm RSB	90.00	pcs		

Authorized Representative:

Signature:

Company:

Date:



**BILL OF QUANTITIES**  
PLUMBING WORKS

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN, PHASE 1

Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
	tie wire	2.00	kg		
	CHB 4"	376.00	pcs		
	<b>SUBTOTAL FOR THIS PAGE</b>				

Authorized Representative:

Signature:

Company:

Date:

