

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

REFERENCE	BASES FOR AMENDMENT
SECTION VIII. BILL OF QUANTITIES	
Bill of Quantities:	
 General Requirements Architectural Works Civil/Structural Works Mechanical Works Electrical Works Plumbing Works 	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*

GENERAL REQUIREMENTS

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN BUILDING, PHASE 1

Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
				45.44, 4	
	GENERAL REQUIREMENTS		14/04/45		
	MOBILIZATION AND DEMOBILIZATION	1.00	lot		
В	TEMPORARY FACILITIES	1.00	lot		
С	SAFETY, SECURITY AND HEALTH	1.00	lot		
D	PERMITS	1.00	lot		
	D.1 Building Permit				
	D.2 Electrical Analysis with Sign and Seal of Plans (If aplicable)				
	D.3 Structural Analysis with Sign and Seal of Plans (If aplicable)				
	D.4 Mechanical Analysis with Sign and Seal of Plans (If aplicable)				
	D.5 Plumbing Analysis with Sign and Seal of Plans (If aplicable)				N. 27

Authorized Representative:

Signature:

Company:

Date:

-4

ARCHITECTURAL WORKS

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN BUILDING, PHASE 1

Port Area, Manila

ltem No.		DESCRIPTION	QTY	דואט	UNIT	TOTAL COST
					0001	
		The property of the second		Bridtill.		
A	MASO	ITECTURAL WORKS	14,411111,14111111111111111111111111111		The state of the s	
1		nry Works				
		y and installation of masonry, including all necessary ories to complete the work				
	<u> </u>	150 mm Thk CHB	13,547.00	pcs		
	1	Cement	1,104.00	bag		
	1	Sand	92.00	cu.m		
	1.1	12mm dia. Deformed bars	380.00	pcs		
	1	10 mm dia. Deformed bars	380.00	pcs		
	<u> </u>	Tie wires	45.00	kg		
		PLASTERING WORKS				<u>. </u>
	1.2	Cement	622.00	bag		
	1	Sand	35.00	cu.m		
В	THER	MAL MOISTURE AND CONTROL				
		ply and installation of water proofing and other works including cols and equipmnet and all necessary to complete the work.				
	-	ools and equipmnet and all necessary to complete the work .	18.00	gal		
	1.1		18.00 4.00	gal bag		
	1.1	ools and equipmnet and all necessary to complete the work . Flexible Cementitious Water Proofing Cement	4.00	bag		I I Song Handa Sarasa Handa Barra Li Song Hara Sarasa Andreas Handa Li Song Hara Sarasa Andreas Handa
(G. 1	1.1	rools and equipmnet and all necessary to complete the work. Flexible Cementitious Water Proofing Cement RS AND WINDOWS	4.00	bag		
- rational contraction -	1.1 1.2 DOO Door	Flexible Cementitious Water Proofing Cement S AND WINDOWS y & installation of doors & frames incuding painting,	4.00	bag		TI Social Mirror Screen with Property Con- cession and Property Conference on Con- cession and Conference on Conference on Con- cession and Conference on Conference on Con- cession and Conference on Conference on Con-
	1.1 1.2 DOO Door Supp	Flexible Cementitious Water Proofing Cement SS AND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and	4.00	bag		
- rational contraction -	1.1 1.2 DOO Door Supp	Flexible Cementitious Water Proofing Cement S AND WINDOWS y & installation of doors & frames incuding painting,	4.00	bag		1) 医克里克斯氏试验检尿病 (1) 医克里克斯氏试验 (1) 医克克斯氏试验 (1) 医克克克斯氏试验 (1) 医克克克斯氏试验 (1) 医克克克斯氏试验 (1) 医克克克斯氏试验 (1) 医克克克斯氏试验 (1) 医克克克斯氏试验 (1)
- rational contraction -	1.1 1.2 DOO Door Supp	Flexible Cementitious Water Proofing Cement SS AND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and	4.00	bag	THE HELD IN COLUMN TO SERVICE AND THE SERVICE	
and to the first owners in a	1.1 1.2 DOO Door Supp	Flexible Cementitious Water Proofing Cement SS AND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications	4.00	bag		
and to the fit and on the first	1.1 1.2 Door Supp hards tools	Flexible Cementitious Water Proofing Cement SAND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications Single Leaf Acrylic Spray Painted Hollow metal swing door w/ vision panel, 300x900mm Vision Panel in 6mm thk tempered	4.00	bag		
and to the first owners in a	1.1 1.2 Door Supp hards tools	Flexible Cementitious Water Proofing Cement RS AND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications Single Leaf Acrylic Spray Painted Hollow metal swing door w/ vision panel, 300x900mm Vision Panel in 6mm thk tempered	4.00	bag		
- rational contraction -	1.1 1.2 Door Supp hards tools	Flexible Cementitious Water Proofing Cement SAND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications Single Leaf Acrylic Spray Painted Hollow metal swing door w/ vision panel, 300x900mm Vision Panel in 6mm thk tempered	4.00	bag		
- rational contraction -	1.1 1.2 Door Supp hards tools	Flexible Cementitious Water Proofing Cement 85 AND WINDOWS S y & installation of doors & frames incuding painting, vare and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications Single Leaf Acrylic Spray Painted Hollow metal swing door w/ vision panel, 300x900mm Vision Panel in 6mm thk tempered Glass on clear anodized Glaizing Bead; Guage 18 Steel Door & Jamb, Primed and Painted	4.00	bag		
	1.1 1.2 Door Supp hard tools	Flexible Cementitious Water Proofing Cement SAND WINDOWS y & installation of doors & frames incuding painting, ware and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications Single Leaf Acrylic Spray Painted Hollow metal swing door w/ vision panel, 300x900mm Vision Panel in 6mm thk tempered Glass on clear anodized Glaizing Bead; Guage 18 Steel Door & Jamb, Primed and Painted Single Leaf Acrylic Spray Painted Hollow metal	4.00 8.00	set		計算の場合を対象を対象を表現しません。 対象を対象を対象を対象を表現しません。 対象を対象を対象を対象を対象を表現しません。 対象を対象を対象を対象を表現しません。 は、対象を対象を表現しません。 は、対象を対象を表現しません。 は、対象を表現しまた。 は、対象を表現しまた。 と、も、も、も、も、も、も、も、も、も、も、も、も、も、も、も、も、も、も、も
	1.1 1.2 Door Supp hard tools	Flexible Cementitious Water Proofing Cement 85 AND WINDOWS S y & installation of doors & frames incuding painting, vare and fixing accessories, and usage of equipment and to complete the Works as per Architect's Specifications Single Leaf Acrylic Spray Painted Hollow metal swing door w/ vision panel, 300x900mm Vision Panel in 6mm thk tempered Glass on clear anodized Glaizing Bead; Guage 18 Steel Door & Jamb, Primed and Painted	4.00 8.00	set		1) 防心 医甲磺胺 经收益 医甲基甲基氏 计 100 元

Authorized Representative:

Signature:

Company:



Item No.		DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
2	Windows					
	hardware a	nstallation of windows & frames incuding painting, and fixing accessories, and usage of equipment and mplete the Works as per Architect's Specifications				
	W1	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		
	W2	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		
	- W3	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		
	- W4	Awning type window on aluminum frame with 6mm thk tempered glass W 2.80 x H 1.20 m	3.00	set		
	W5	Awning type window on aluminum frame with 6mm thk tempered glass W 2.10 x H 1.20 m	1.00	set		
	- W6	Awning type window on aluminum frame with 6mm thk tempered glass W 0.80 x H 2.60 m	6.00	set		
	W7	Awning type window on aluminum frame with 6mm thk tempered glass W 0.80 x H 0.80 m	8.00	set		
D.	FINISHES					
1		shes d installation of floor finishes, including all necessary es to complete the work				
	1.2 60)	(60 cm Porcelain ceramic Floor Tiles (60 cm Porcelain ceramic Floor Tiles (30 cm Unglazed ceramic floor tiles ment mortar	880 137 145	pcs		
	Cer Sar 1.5 Tile	ment	20.00 4.00 60.00 190.00	cu.m bag		
	1.0 116	SUB-TOTAL FOR THIS PAGE	150.00	208		

Authorized Representative:

Signature: Company: Date:



Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
-	· · · · · · · · · · · · · · · · · · ·				
2	Wall Finishes				
	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		
3	PAINTING WORKS				
	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			-	
3.1	Interior Wall Painting(color)				
	Neutralizer	6.00	Itr		
	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		
	SUB-TOTAL FOR THIS PAGE				
Cal pain service	GRAND TOTAL FOR ARGHITECTURAL WORKS				

Authorized Representative:

Signature:

Company: Date: -4

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

*:					TOTAL
Item	DESCRIPTION	QTY	UNIT	UNIT	UNIT
No.				COST	COST
(1)	(2)	(3)	(4)	(5)	(6)
. SOIL/E	ARTHWORKS				
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	sa.m		
a.5	Soil Improvement (Jet grouting) SUB-TOTAL	1.000	lot		
	SUB-TOTAL				
3. REINF	DRCED CONCRETE WORKS				
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.		
þ.11	Ready Mix Concrete - 4000psi (stair) - GF to 2F	3.500	çu.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	çu.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.		
	SUB-TOTAL				
C DEINE	ORCING STEEL WORKS				
e. INCHINE	Mat Footing				w.·#
c.1	25mm.dia. RSB (Fy=414MPa)	19,026.00	kgs.		·
J. 1	Wall Footing	,	J	i	
c.2	12mm.dia. RSB (Fy=275MPa)	160.00	kgs.		
- 0.2	Columns				
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		 	
c.5	25mm.dia. RSB (Fy=414MPa) - 2F to 3F	2,543.00			
c.6	10mm.dia. RSB (Fy=275MPa) - 2F to 3F	984.00			
c.7	25mm.dia. RSB (Fy=414MPa) - 3F to roof	3,741.00			
c.8	10mm.dia, RSB (Fy=275MPa) - 3F to roof	1,642.00			

Authorized Representative:

Signature:

Company:



				EST.	Mark-Up in Percer
tem	DESCRIPTION	QTY	UNIT	DIRECT	ocm
No.				COST	
(1)	(2)	(3)	(4)	(8)	(9)
					12%
	Beams				
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.		<u> </u>
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.		
0.10	Turning at 105 (1) 210 m ay 100 source				
	Stairs				
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.		
	Slabs				
c.29	10mm.dia. RSB (Fy=275MPa) - GF	572.00	kgs.		
c.30	12mm.dia. RSB (Fy=275MPa) - 2F	2,205.00			
c.31	12mm.dia. RSB (Fy=275MPa) - 3F	2,205.00	_		
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.		
0.25	CHB Walls 10mm.dia. RSB (Fy=230MPa) - GF	2,249.00	kae		+
c.35	FURITH, CIA. ROD (FY-230WFA) - GF	2,248.00	kgs.		
c.36	#16 G.I. Tie Wire	1,468.00	kgs.		
	SUB-TOTAL			<u> </u>	
FORM	WORKS AND SCAFFOLDINGS				
d.1	Formworks	1,447.00	sq.m.	<u> </u>	
d.2	Steel Scaffoldings	100.00			
	SUB-TOTAL		T	1	
			1	<u> </u>	

Authorized Representative: Signature: Company: Date:



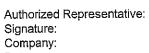
Republic of the Philippines Department of Health

BILL OF QUANTITIES

BUREAU OF QUARANTINE MAIN BUILDING, PHASE 1

Port Area, Manila

Italii No.	COST
A.1 EXHAUST/SUPPLY FANS A.1.1 20 lps, cassette type 5.00 pieces A.1.2 50 lps, cassette type 1.00 pieces sub-total A.2 AIR CONDITIONERS 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 condesing unit, VRV/VRF 3.00 pieces sub-total	
A.1.1 20 lps, cassette type 5.00 pieces A.1.2 50 lps, cassette type 1.00 pieces sub-total A.2 AIR CONDITIONERS 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 condesing unit, VRV/VRF 3.00 pieces sub-total	
A.1.2 50 lps, cassette type 1.00 pieces sub-total A.2 AIR CONDITIONERS 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 condesing unit, VRV/VRF 3.00 pieces sub-total	
A.1.2 50 ips, cassette type sub-total A.2 AIR CONDITIONERS 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 condesing unit, VRV/VRF 3.00 pieces sub-total	
Sub-total A.2 AIR CONDITIONERS 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 condesing unit, VRV/VRF 3.00 pieces sub-total	
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 condesing unit, VRV/VRF 3.00 pieces sub-total	
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 condesing unit, VRV/VRF 3.00 pieces sub-total	
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 condesing unit, VRV/VRF 3.00 pieces sub-total	
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 condesing unit, VRV/VRF 3.00 pieces sub-total	
A.2.4 3.0 TR fan coil unit, ceiling mounted 2.00 pieces A.2.5 7.0 TR air cooled condesing unit, VRV/VRF 3.00 pieces sub-total	
A.2.5 7.0 TR air cooled condesing unit, VRV/VRF 3.00 pieces sub-total	
sub-total sub-total	
A.3 DUCTWORKS	-
1 7.0 10011701410	
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, G! 4.00 meters	
sub-total	
A.4 Hangers, Brackets and Welding Materials	
A.4.1 15mmØ hanger rod, continous 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 rugs 4.00 kgs	
sub-total	
A.5 Signages and Painting	
A.5 Signages and remains A.5.1 primer paint 1.00 gallons	
A.5.1 primer paint 1.00 gallons 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	
7 total octor of doll	





BUREAU OF QUARANTINE MAIN BUILDING, PHASE 1

Port Area, Manila

Item No.	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
A.6	PIPES, REFRIGERANT, MISC HARDWARE				
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	2.0mm² power cord, type SEO, grounding type	45.00	meters		
A.6.7	3.5mm² power cord, type SEO, grounding type	12.00	meters		
A.6.8	5.5mm² power cord, type SEO, grounding type	59.00	meters		
A.6.9	electrical tape, rubber	4.00	roll		
	sub-total				
	TOTAL (VENTILATION AND AIRCONDITIONING)				

Authorized Representative: Signature: Company:

Electrical Works

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

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

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
IV.	ELECTRICAL WORKS				
A	Lighting Fixtures				
1	80mm Diameter LED Square Mini Downlight,	9	sets		
	8 Watts, 600 Lumens, 6500k, 220-240V, 60Hz				
2	1200 x 75mm LED Slim Panel, 36 Watts, 400K,	9	sets		
	3,250 Lumens, 240 Volts, 60 Hz				
3	600mmX600mm LED panel, 40 Watts,	59	sets		
	3,200 Lumens, 220-240V, 60 Hz, 0.9 p.f				
4	LED Emergency Light, 2X1 Watts SMT LED	14	sets		
	4V 4AH Sealed Lead Acid, charging time: 20 hrs,				
5	LED Exit Sign, Red, Double face, 2 watts	3	sets		
	Thermoplastic Housing				

В	Wiring Devices				
1	Single Pole Single Throw Switch(SPST), 16A, 250VAC	6	sets		
	Wide Series, White				
2	Two Pole Single Throw Switch(2PST), 16A, 250VAC	11	sets		
	Wide Series, White				
3	Single Three-Way Switch, 16A, 250VAC	12	sets		
	Wide Series, White				
4	1-Gang Convenience Outlet, 16A, 250VAC	17	sets		
	(For Exit and Emergency Lights)				
5	Duplex Convenience Outlet, 16A, 230V w/	39	sets		
	grounding-type (Hospital Grade)				
6	Duplex Convenience Outlet, 16A, 230V w/	8	sets		
	grounding-type Floor Mounted				
	Sub-Total for this Page				

NOTE: 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of	i detalled estimate.
Submitted by:	
Name of the Representative of the Bidder:	Date:
Position:	
Name of the Bidder:	



Electrical Works

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

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

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
С	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 mmФ uPVC Elbow	2_	pcs.		
14	32 mmФ 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 mmФ 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		
	Wires and Cables	 			
1	3.5 sq. mm. THWN	13	rolls		
2	5.5 sq. mm. TW	1	roll		
	Sub-Total for this Page	 	1		

NOTE: 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document	nt of detailed estimate.
Submitted by:	-
Name of the Representative of the Bidder :	_ Date :
Position:	-
Name of the Bidder:	_



Electrical Works

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

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

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
\ <u>~</u> _					
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		
	Double of Oissis Broken and Environments				
<u>E_</u>	Panelboards, Circuit Breakers and Equipments	3	CODY		
1	CB in NEMA Enclosure		assy		
	40AT/100AF,240 V, 10 KAIC ,3P,BO				
2	NLP1- Main : 50AT/100AF, 3P	1	assy		
	240VAC, 25KAIC		l		
	Bolt-On MCCB				
	Branches: 15 - 20AT/100AF, 240 V, 10 KAIC, 2P				
	3 - 30AT/100AF, 240 V, 10 KAIC, 2P	-			
3	PPACU1 - Main : 100AT/100AF, 3P	1	assy		
	240VAC, 25KAIC	- '-	1 200)		
	Bolt-On MCCB	- -	 		
	Branches: 3 - 40AT/100AF, 240 V, 10 KAIC, 3P		-	*	
	6 - 30AT/100AF, 240 V, 10 KAIC, 2P				
	0 - 30/17/180/11 , 240 4, 10 10 10 , 21				
4	DP1 Main : 175AT/225AF, 3P	1	assy		
	240VAC, 42KAIC				
	Bolt-On MCCB		<u> </u>		
	Branches : 1 - 50AT/100AF, 240 V, 25 KAIC, 3P				
	2 - 100AT/100AF, 240 V, 25 KAIC, 3P				
F	Miscellaneous		 		
_ <u></u>	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		
4	Sub-Total for this Page	'-	100		

NOTE: 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document of detailed estimate. Submitted by:		
Submi	ted by:	
Name	of the Representative of the Bidder:	Date:
Positio	n:	
Name	of the Ridder:	



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	Auxiliary System				
J.1	Fire Detection and Alarm System				
	Auxiliary Devices				
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		
					·
	Roughing-Ins				
1	15 mmФ 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		
	Wires and Cables				
1	#16 AWG 2C TF Shielded Twisted Wire	3	rolls		
	Panelboards and Circuit Breakers				
	Fire Alarm Control Panel, 4-Zones	1_	assy		
	complete hardware and accessories				<u></u>
	Miscellaneous			<u> </u>	
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		
	Sub-Total for this Page		<u> </u>		<u></u>

NOTE:	1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document	of detailed estimate.
Submi	tted by:	
Name	of the Representative of the Bidder:	Date:
Positio	n:	
N	-fth- Didder.	

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Electrical Works

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

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

ITEM					<u> </u>
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 mmФ 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	1	assy		
	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				
2	16 ports switch, Switching Fabric: 3.2 Gbps	3	assy		
	Power Input: 100 -240Vac 50/60 Hz internal				
	universal power supply complete w/ accessories				
			<u> </u>		
			<u> </u>		
	Sub-Total for this Page		<u> </u>		<u> </u>

NOTE: 1 Lot - Lump sum of the total quantity, to be supplied by the contractor with the supporting document	t of detailed estimate.
Submitted by:	
Name of the Representative of the Bidder:	Date :
Position:	
Name of the Bidder:	



Electrical Works

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

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

ITEM NO.	DESCRIPTION	QTY.	UNIT	TOTAL COST	UNIT COST
(1)	(2)	(3)	(4)	(5)	(6)
	Miscellaneous				
1	Electrical PVC Tape	6	rolls		
2	G.I. Wire gauge 16	3	kgs		
3	Hacksaw Blade	6	pcs		
4	Assorted Tox, screw, nails, drill bits, etc.	1	lot		
G3	Closed Circuit Television System				
1	IP-based fixed colored cctv camera - dome type	6	pcs		
2	Power Over Ethernet Switch	1	рс		
	Roughing-Ins			· · · · · · · · · · · · · · · · · · ·	
1	15 mmΦ EMT Pipe	33	length		-
2	15 mmΦ EMT Connector	17	pcs.		
3	15 mmΦ EMT Elbow	6	pcs.		
4	15 mmΦ EMT Locknut & Bushing	12	pcs.		
5	Junction Box	6	pcs		
6	Hangers and Supports	1	lot		
	Sub-Total for this Page				
	Wires and Cables				
1	#24 AWG Cat6 UTP Cable	2	rolls	•	
	Panelboards and Circuit Breakers				
1	Standalone NVR CCTV System,	1 1	assy		
	IP video input: 8-ch, 4CIF, Voice talk input: 1-ch, RCA				
	(2.0 Vp-p, 1kΩ), SATA: 2 SATA interfaces for 2 HDDs		ļ		
	Capacity: Up to 4TB for each disk. Including Monitor				
	and other accessories				
<u> </u>					
	Sub-Total for this Page		 		

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Submitted by:	
Name of the Representative of the Bidder:	Date :
Position :	
Name of the Bidder:	



Electrical Works

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN PHASE 1

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

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	115 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	11	roli		
	Panelboards and Circuit Breakers				
1	4 Way TV VCR CATV Cable TV Antenna Signal	1 1	assy		
	Amplifier Splitter			-	
	Miscellaneous				
1	Electrical PVC Tape	3	rolls		
2	G.I. Wire gauge 16	3 2	kgs		
3	Hacksaw Blade	3	pcs		
4	Assorted Tox, screw, nails, drill bits, etc.	1	lot	-	
	Sub-Total for this Page		1		
	GRAND TOTAL FOR ALI	ELECTRICAL W	ORKS P =		

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
Α.	Clean Water Line				
	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	рс		
	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	рс		<u> </u>
	check valve	3.00	pcs		
	gate valve	9.00	pcs		
	50mm PPR cap	2.00	pcs		
	G.I. Nipple 20mm (assorted)	26.00	pcs		ļ <u>-</u>
	50mm dia. x 4m PN20 PPR pipe	17.00	pcs		
	20mm dia. x 4m PN20 PPR pipe	13.00	pcs		
В.	Non-potable Water Line		··-		
	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	рс		
	gate valve	6.00	pcs		
	50mm PPR cap	1.00	рc		
	G.I. Nipple 20mm	10.00	pcs		
	50mm x 4m PN20 PPR pipe	8.00	рс		
	20mm x 4m PN20 PPR pipe	10.00	рс		
C.	Sewage and waste water line				
	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	рс		1
	2" 45° elbow	22.00	pcs		
	2" 90° elbow	21.00	pcs		
	2" p-trap	17.00			
	2" X 10ft PVC pipe orange	10.00	pcs		
	SUBTOTAL FOR THIS PAGE				
D	Vent line				
	2" 90° elbow	24.00	pcs		

Authorized Representative:

Signature:

Company:



PLUMBING WORKS

PROPOSED INFRASTRUCTURE DEVELOPMENT OF BOQ MAIN, PHASE 1

Port Area, Manila

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

Authorized Representative:

Signature:

Company:



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		
	SUBTOTAL FOR THIS PAGE				

Authorized Representative:

Signature:

Company:

Date:

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