



Bids and Awards Committee

Supply, Delivery and Installation of Electrical, Civil/Architectural, and Various Requirements for SEC Office Space in PICC

BID BULLETIN NO. 2

All prospective bidders are hereby informed of the following amendments and clarifications:

PARTICULARS	AMENDMENT/CLARIFICATION
Page 3, Paragraph 2, Invitation for Negotiated Procurement and Page 70, Item 1.16 of the Special Conditions of the Contract	The duration for the completion of the project would still be sixty (60) calendar days.
Inquiry/clarification on the possibility of extending the duration/Completion of the Works from Sixty (60) to Ninety (90) Calendar Days	Any request for time extension due to justifiable reason is allowed, subject to approval of SEC
Clarification on the Bill of Quantities (BOQ) and the Bid Price Schedule (BPS)	Please see revised BOQ, "Annex A" containing 6 pages and BPS, "Annex B" containing 8 pages with the following revisions:
1. Pin Lights	Pin lights (86 sets) are required as indicated in the plan/drawing at the annex area. Revised Bill of Quantities and Bid Price Schedule for Bill No. 5 (Electrical Works). Item number is also adjusted accordingly, because of the inclusion of the pin lights (item no. 92).
2. 2x40 watts fluorescent	The specifications of the 2x40 watts Fluorescent are clarified and revised as follows: From 2x40 watts Fluorescent to Troffer type fixture with 2 x18W LED tube, 220V, 60hz, daylight and ballastless. The quantity is reduced from 89 sets to 34 sets.
3. Description of the following items in the BOQ under carpentry works:	Under the Revised BOQ, the description of the following items is as follows:
3.1.1 New Narra Plywood Door with Door Jambs for various Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor including hardwares (Hinge 4-1/2" x 4" ball bearing, heavy weight full mortise and lockset).	3.1.1 New Narra Plywood Door with Door Jambs for various Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor including hardwares. Note the deletion of "(Hinge 4-1/2" x 4" ball bearing, heavy weight full mortise and lockset)"
3.1.2 New Plywood Wood Doors at Old Warehouse (New Annex Bldg) with jambs and hardwares (hinges and lockset)	3.1.2 New Plywood Wood Doors at Old Warehouse (New Annex Bldg) with jambs and hardwares. Note the deletion of "(hinges and lockset)"

<p>In the Bid Price Schedule, above described items in the BOQ appear as follows:</p> <p>3.1.1 New Narra Plywood Door with Door Jambs for various Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground Floor</p> <p>3.1.2 New Plywood Wood Doors at Old Warehouse (New Annex Bldg) with jambs and hardwares</p> <p>Note: The phrase "including hardwares" (Hinge 4-1/2" x 4" ball bearing, heavy weight full mortise and lockset) and "hinges and lockset" as appearing in the BOQ were deleted and new item appeared which are:</p> <p>3.2.1 New Hinges 4-1/2"x4"Ball Bearing, Heavy Weight ,Full Mortise for Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor; and</p> <p>3.2.2 Locksets for Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor .</p> <p>4. Glass and Aluminum Works under item 3.2.1 Relocation of existing Aluminum Walls at Cashier Area</p> <p>5. Suspended Ceilings, Walls and Metal Support at SEC Annex Building and various works at the Ground Floor, Secretariat Building under item 3.4.3 New Louver wall at Exterior Garden area to cover the ACCU at West Wing, (Two sides/areas of West Wing)</p>	<p>Under the Revised BPS, items 3.1.1 and 3.1.2 are the same</p> <p>Reflected both in the BOQ and BPS</p> <p>Item 3.2.1 on Relocation of existing Aluminum Walls at Cashier Area is now deleted and item numbers under Glass and Aluminum Works are adjusted accordingly.</p> <p>Item 3.4.3 New Louver wall at Exterior Garden area to cover the ACCU at West Wing, (Two sides/areas of West Wing) is rephrased as follows:</p> <p>3.4.3 New Louver wall at Exterior Garden area to cover the ACCU (outdoor unit)</p> <p>The quantity is also reduced from 12 Sq.M. to 8 Sq. M.</p>
<p>Per Bid Bulletin No.1</p> <p>Page 70, Item No. 6.5, Special Conditions of Contract</p> <p>The Contractor shall employ the following Key Personnel:</p> <p>1. Project Manager: Architect/Engineer (Civil or Electrical)</p> <p>2. Project Engineers: (1) Registered Electrical Engineer and (1) Civil Engineer</p>	<p>The Contractor shall engage the following Key Personnel:</p> <p>1. One (1) Project Manager (any of the following can be designated as a Project Manager):</p> <ul style="list-style-type: none"> ➤ Architect ➤ Civil Engineer ➤ Registered Electrical Engineer <p>2. One (1) Project Engineer If the Project Manager is an Architect or a Civil Engineer, the Project Engineer should be a registered Electrical Engineer.</p>

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<p>3. Materials Engineer</p> <p>4. Foreman</p>	<p><i>If the Project Manager is a registered Electrical Engineer, the Project Engineer should be an Architect or a Civil Engineer.</i></p> <p><i>The Project Manager and the Project Engineer must have supervised at least a project similar to the proposed project.</i></p> <p>xxx</p> <p>xxx</p> <p>The above key personnel must either be employed by the Bidder or contracted by the Bidder to be employed for the contract to be bid.</p>
<p>Page 70, Special Conditions of Contracts</p> <p>Item 7.4 (c) No further instructions</p>	<ol style="list-style-type: none"> 1. The following must be indicated in the performance bond to be posted by the Contractor: <ol style="list-style-type: none"> i. Company Name ii. Correct amount of the Bond iii. Contract/Purchase Order Reference Number iv. Purpose of the Bond: <p>“To guarantee the faithful performance of the Principal’s obligation to undertake (Contract/Purchase Order Description) in accordance with the terms and conditions of (Contract No. & Schedule/Purchase Order No.) entered into by the parties”</p> 2. The bond shall remain valid and effective until the duration of the contract (should be specific date reckoned from the contract effectivity) plus sixty (60) days after SEC’s final acceptance of the project including the defects liability period of one (1) year. 3. In case of surety bond, any extension of the contract duration or delivery period granted to the CONTRACTOR shall be considered as given, and any modification of the contract shall be considered as authorized, as if with the expressed consent of the surety, provided that such extension or modifications falls within the effective period of the said surety bond. However, in the event that the extension of the contract duration or delivery schedule would be beyond the effective period of

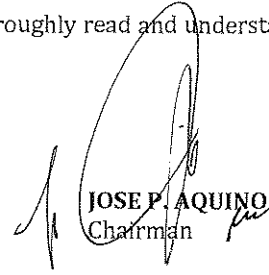
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	<p>the surety bond first posted, it shall be the sole obligation of the CONTRACTOR to post an acceptable Performance Security within ten (10) calendar days after the contract duration/delivery period extension has been granted by SEC.</p> <p>4. Other required conditions in addition to the standard policy terms issued by the Bonding Company:</p> <ul style="list-style-type: none"> i. The bond is a penal bond, callable on demand and the entire amount thereof shall be forfeited in favor of the Obligee upon default of the Principal without the need to prove or to show grounds or reasons for demand for the sum specified therein; ii. The amount claimed by the Obligee under this bond shall be paid in full and shall never be subject to any adjustment by the Surety; iii. In case of claim, the Surety shall pay such claim within sixty (60) days from receipt by the Surety of the Obligee's notice of claim/demand letter notwithstanding any objection thereto by the Principal.
<p>Page 93, SEC Standard Form No. 4 (Key Personnel)</p> <p>Item No. 10.1</p> <p>Item No. 10.2</p>	<p>It shall refer to the <i>Name of the Project</i></p> <p>It shall refer to the <i>Name and Address of the Project Owner</i></p>
<p>Deadline for Submission of Best and Final Offer</p> <p>November 21, 2016, 10:00 a.m. at the at the Procurement Division, 3rd Floor, Secretariat Building, PICC Complex, Pasay City</p> <p>Opening of Best and Final Offer</p> <p>November 21, 2016, 10:30 a.m. at the 2nd Floor , Secretariat Building, PICC Complex, Pasay City</p>	<p>Deadline for Submission of Best and Final Offer</p> <p>Moved to: <u>November 25, 2016, same time and venue</u></p> <p>Opening of Best and Final Offer</p> <p>Moved to: <u>November 25, 2016, same time and venue</u></p>

Other matters:

- The prospective bidders are reminded to carefully and thoroughly read and understand the provisions of the SEC Bidding Documents.

November 17, 2016



JOSE P. AQUINO
Chairman

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Project: Supply, Delivery and Installation of Electrical, Civil/Architectural and Various Requirements for SEC Office Space in PICC

BID PRICE SCHEDULE

Bill No.1 General Conditions					
Item No.	Description	Unit	Qty	Unit Cost (Includes Profit, Overhead & Taxes)	Amount
1.01	Safety Precautions	LOT	1		
1.02	Security	LOT	1		
1.03	Temporary Works (Scaffoldings & Storage Room)	LOT	1		
1.04	Disposal of Rubbish and Others	LOT	1		
1.05	As Built Drawings	LOT	1		
1.06	Turn Over Cleaning	LOT	1		
1.07	Mobilization	LOT	1		
1.08	Demobilization	LOT	1		
Total for Bill No.1 General Conditions					
Bill No.2 Dismantling/Relocation/Dismantling Works @ Secretariat Building					
2.1	Walls, Floors, Finishes, etc.				
2.1.1	Internal Wood Partitions @ West Wing	LOT.	1		
2.1.2	Wood Partitions @ East Wing,	LOT	1		
2.1.3	Dismantle Glass Wall Aluminum Frame turn –over to PICC @ West Wing, Ground Floor	LOT	1		
Total for Bill No. 2 Demolition/Relocation/Dismantling					
Bill No. 3 Architectural Works					
3.1	Carpentry Works				
3.1.1	New Narra Plywood Door with Door Jambs and hardwares for various Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor including hardwares	SET	20		
3.1.2	New Plywood Wood Doors at Old Warehouse (New Annex Bldg) with jambs and hardwares	SET	17		
3.2	Hardwares				
3.2.1	New Hinges 4-1/2”x4”Ball Bearing, Heavy Weight ,Full Mortise for Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor	NO.	-----	-----	Inc. in Doors
3.2.2	Locksets for Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor	NO.	-----	-----	Inc, in Doors
3.3	Glass and Aluminum Works				

3.3.1	New Glass Wall and Door Aluminum Frame Analok Finish Same thickness and size as existing in PICC Secretariat Building @ Ground Floor for West Wing Lobby and Offices complete with Locksets and Standard Handles same as existing opposite East Wing Glass Door	S.M.	23		
3.3.2	Allow for dismantling and re-use/re-install double aluminum glass doors from SEC office in Ortigas to New Annex Bldg in PICC including additional CHB wall with cement plaster finish both faces	set	1		
3.3.3	Allow for leveling and tightening of existing Tee Runners @ Secretariat Bldg.	LOT	1		
3.4	Wooden Partition				
3.4.1	New Narra, 6mm thk, Wood Partitions, Double Wall on wood Frames, (similar to existing PICC Partitions) at West and North Wings (conference rooms, stock rooms, dental/medical room, COA, BAC, press office, Library, PRU area)	S.M.	660		
3.5	Suspended Ceilings, Walls and Metal Support (@ SEC Annex Building				
3.5.1	New Fiber cement boards Ceiling Board, 600mm x 1200mm x 6mm thk.including Steel wall Frames and ceiling Furring Runners spaced @ 0.60meters on centers each way @ Multi-Purpose Room, Examination Room, Records Rooms, Provident, SECCU and SECEA Rooms at Annex Building	S.M..	817		
3.5.2	New Ficem Board ,6mm thick double walls on steel channels at 0.60x0.60 vertical and horizontal spacing for the Records Rooms at Annex Building	S.M.	399		
3.5.3	New Louver wall @ Exterior Garden area to cover the ACCU (outdoor unit)	S.M.	8		
3.5.4	Two-sets (2), Wood Cabinets and cupboards with stainless steel sinks @ Medical and Dental Clinics below counters and above counters complete with 20 mm dia.water supply lines and 50mm. dia.pvc drainage pipe lines to be connected to the nearest existing Female comfort room . Dental Chair shall be provided with 12mm dia. water supply line and 50mm dia.PVC drainage pipe line to be drained to nearest janitors room.	LOT	1		

3.5.5	Dismantle, hauling and re-installation of PVC folding partition, (2) sets, from SEC Office at EDSA to Medical office at PICC	LOT	1		
3.6	Painting and Varnishing				
3.6.1	Latex Paint, 4 coats, semi gloss, color and finished same as existing concrete walls at newly installed fiber cement boards walls and ceilings (@ Old Warehouse, New Store Room and Multi Purpose Room . Repaint all Interior existing walls of Existing Warehouse up to the ceiling	S.M.	1,600		
3.6.2	Varnish: 3coats sanding sealer,1 finish coat clear for new narra plywood partitions @ West Wing and North Wing	S.M.	1,320		
Total for Bill No.3 Architectural Works					
Bill No. 4 Mechanical Works					
4.1	Installation of 5TR, Floor Mounted , Air-Conditioner at the SERVER ROOM. Dismantle at Old SEC Building in EDSA, Clean and Reinstall. Repaint with epoxy paint steel frame/stand. Make good any damaged or defective existing wirings and install new drain piping system, test and make operational. Provide circuit breakers as necessary (Existing locations and sizes in Old SEC Building ,SEC to identify)	Unit	4		
4.2	Installation of 5TR, Floor Mounted , Air-Conditioner at the Warehouse Area , now SEC Annex Building. Dismantle at Old SEC Building in EDSA, Clean and Reinstall. Repaint with epoxy paint steel frame/stand. Make good any damaged or defective existing wirings and piping system, test and make operational. Provide circuit breakers as necessary (Existing locations and sizes in Old SEC Building ,SEC to identify)	Unit	7		

Total Bill No.4 Mechanical Works

Bill No. 5 Electrical works

I. PANEL BOARD				
1	MDP Panel	set	1	
	Main: 800AT/1000AF, 3P, 230V ACB			
	Branches:			
	1 - 400AT/600AF, 3P, 230V			
	1 - 150AT/200AF, 3P, 230V			
	1 - 125AT/150AF, 3P, 230V			
	Branches:			
	1 - 50AT / 50AF, 3P, 230V			
	w/ Ground Terminal Busbar and Kilowatt Hour Meter			
2	PP1 Panel	set	1	
	Main: 125AT/150AF, 3P, 230V			
	Branches:			
	20 - 30AT/50AF, 2P, 230V B.O			
	w/ Ground Terminal Busbar			
3	PP2 Panel	set	1	
	Main: 150AT/200AF, 3P, 230V ACB			
	Branches:			
	24 - 30AT/50AF, 2P, 230V B.O			
	w/ Ground Terminal Busbar			
4	PP3 Panel	set	1	
	Main: 100AT/100AF, 3P, 230V			
	Branches:			
	18 - 30AT/50AF, 3P, 230V B.O			
	w/ Ground Terminal Busbar			
5	PP5 Panel	set	1	
	Main: 150AT/200AF, 3P, 230V			
	Branches:			
	12 - 30AT/50AF, 2P, 230V B.O			
	7 - 40AT/50AF, 3P, 230V B.O			
	1 - SPACE			
	w/ Ground Terminal Busbar			
6	PPACU Panel	set	1	
	Main: 400AT/600AF, 3P, 230V ACB			
	Branches:			
	11 - 50AT/50AF, 3P, 230V B.O			
	w/ Ground Terminal Busbar			
7	PP 2nd Floor	set	1	
	Main: 100AT/150AF, 3P, 400V MCCB			
	Branches:			
	5 - 30AT/50AF, 1P, 230V ACB - B.O			
	5 - 20AT/50AF, 1P, 230V ACB - B.O			
	w/ Ground Terminal Busbar			
	SUB-TOTAL			
II. FEEDER LINE				
8	2 1/2"Ø RSC Pipe	length	33	
9	2 1/2"Ø RSC Elbow	pcs	6	
10	2 1/2"Ø RSC Couling	pcs	15	

11	2 "Ø RSC Pipe	length	17		
12	2 "Ø RSC Elbow	pcs	3		
13	2 "Ø RSC Coupling	pcs	8		
14	1 1/2"Ø RSC Pipe	length	17		
15	1 1/2"Ø RSC Elbow	pcs	3		
16	1 1/2"Ø RSC Coupling	pcs	8		
17	1 1/4"Ø RSC Pipe	length	37		
18	1 1/4"Ø RSC Elbow	pcs	8		
19	1 1/4"Ø RSC Coupling	pcs	16		
20	250mm ² THHN wire	meters	35		
21	125mm ² THHN wire	meters	300		
22	50mm ² THHN wire	meters	153		
23	38mm ² THHN wire	meters	150		
24	30mm ² THHN wire	meters	330		
25	30mm ² TW wire	meters	100		
26	14mm ² TW wire	meters	103		
27	8.0mm ² TW wire	meters	110		
28	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	III. EAST WING POWER LAY OUT				
29	1/2"Ø EMT Pipe	length	352		
30	1/2"Ø EMT Coupling	pcs	519		
31	1/2"Ø EMT Adaptor & Locknut	pcs	480		
32	Gauge #16 Junction Box Deep Type w/ cover	pcs	71		
33	Gauge #16 Utility Box Deep Type	pcs	164		
34	3.5mm ² THHN wire	meters	2,154		
35	3.5mm ² TW wire	meters	1,077		
36	2 gang C.O 3 prong	sets	171		
37	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	IV. NORTH WING POWER LAY OUT				
38	1/2"Ø EMT Pipe	length	488		
39	1/2"Ø EMT Coupling	pcs	677		
40	1/2"Ø EMT Adaptor & Locknut	pcs	872		
41	Gauge #16 Junction Box Deep Type w/ cover	pcs	191		
42	Gauge #16 Utility Box Deep Type	pcs	164		
43	3.5mm ² THHN wire	meters	3,002		
44	3.5mm ² TW wire	meters	1,456		
45	2 gang C.O 3 prong	sets	164		
46	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	V. WEST WING POWER LAY OUT				
47	1/2"Ø EMT Pipe	length	404		
48	1/2"Ø EMT Coupling	pcs	480		
49	1/2"Ø EMT Adaptor & Locknut	pcs	384		

50	Gauge #16 Junction Box Deep Type w/ cover	pcs	134		
51	Gauge #16 Utility Box Deep Type	pcs	174		
52	3.5mm ² THHN wire	meters	2,418		
53	3.5mm ² TW wire	meters	1,209		
54	2 gang C.O 3 prong	sets	214		
55	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	VI. THIRD FLOOR POWER LAY OUT				
56	1/2"Ø EMT Pipe	length	769		
57	1/2"Ø EMT Coupling	pcs	1,069		
58	1/2"Ø EMT Adaptor & Locknut	pcs	1,238		
59	Gauge #16 Junction Box Deep Type w/ cover	pcs	267		
60	Gauge #16 Utility Box Deep Type	pcs	234		
61	3.5mm ² THHN wire	meters	4,619		
62	3.5mm ² TW wire	meters	2,308		
63	2 gang C.O 3 prong	sets	220		
64	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	VII. PPACU PANEL				
65	3/4"Ø EMT Pipe	length	119		
66	3/4"Ø EMT Coupling	pcs	180		
67	3/4"Ø EMT Adaptor & Locknut	pcs	66		
68	8.0mm ² THHN wire	meters	1,086		
69	5.5mm ² TW wire	meters	362		
70	50AT, 3P, 230V Nema 3R Enclosure	sets	11		
71	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	VIII. WAREHOUSE POWER LAYOUT				
72	1/2"Ø EMT Pipe	length	379		
73	1/2"Ø EMT Coupling	pcs	505		
74	1/2"Ø EMT Adaptor & Locknut	pcs	529		
75	3/4"Ø EMT Pipe	length	107		
76	3/4"Ø EMT Coupling	pcs	144		
77	3/4"Ø EMT Adaptor & Locknut	pcs	48		
78	1/2"Ø FMC	length	133		
79	1/2"Ø FMC A/L	pcs	178		
80	Gauge #16 Junction Box Deep Type w/ cover	pcs	154		
81	Gauge #16 Utility Box Deep Type	pcs	116		
82	5.5mm ² THHN wire	meters	975		
83	3.5mm ² THHN wire	meters	3,426		
84	3.5mm ² TW wire	meters	1457		
85	1 gang 1 way switch	sets	15		
86	2 gang 1 way switch	sets	9		
87	3 gang 1 way switch	sets	2		
88	1 gang C.O 3 prong	sets	15		

89	2 gang C.O 3 prong	sets	90		
90	40AT, 3P, 230V Nema 3R Enclosure	sets	7		
91	Troffer type fixture with 2 x 18W LED tube, 220V, 60hertz, daylight, ballastless	sets	34		
92	Round Pinlight fixture with 18W LED bulb	sets	86		
93	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				
	IX. KILOWATT HOUR METERS				
94	Class 200 G.E Kilowatt Hour Meter Self Contained Analog Type	units	11		
	Model : V62S				
95	Class 10 G.E Kilowatt Hour Meter C. T. Rated Digital Type	units	6		
	Model : V64S				
96	Current Transformer for Meter Reading Ratio 250:5	units	3		
97	Current Transformer for Meter Reading Ratio 300:5	units	9		
98	Current Transformer for Meter Reading Ratio 400:5	units	6		
99	Wiring & Necessary Accessories	lot	1		
	SUB-TOTAL				
	X. TELEPHONE SYSTEM				
100	2"Ø EMT Pipe	length	21		
101	2"Ø EMT Coupling	pcs	15		
102	2"Ø EMT Elbow	pcs	8		
103	1/2"Ø EMT Pipe	length	1,619		
104	1/2"Ø EMT Coupling	pcs	1,134		
105	1/2"Ø EMT Adaptor & Locknut	pcs	828		
106	Gauge #16 Utility Box Deep Type	pcs	205		
107	Gauge #16 Junction Box Deep Type w/ cover	pcs	105		
108	Square Box 4 x 4	pcs	30		
109	Cable Tray 200 x 100	length	165		
110	CAT5E Belden Cable Wire	rolls	70		
111	100 Pair UTP Cable Wire	meters	40		
112	1 gang Telephone Outlet	sets	209		
113	Pull Boxes, Hanger & Support and other Necessary Accessories	lot	1		
	SUB-TOTAL				

XI. REWIRING OF THIRD FLOOR LIGHTING FIXTURES				
114	2 gang 1 way switch	sets	26	
115	Gauge #16 Utility Box Deep Type	pcs	26	
116	1/2"Ø EMT Pipe	length	26	
117	1/2"Ø EMT Coupling	pcs	26	
118	1/2"Ø EMT Adaptor & Locknut	pcs	26	
119	3.5mm ² THHN wire	meters	390	
120	Hanger & Support and other Necessary Accessories	lot	1	
	SUB-TOTAL			

Grand Total Amount:

Grand Total Amount in words:

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Project: Supply, Delivery and Installation of Electrical, Civil/Architectural and Various Requirements for SEC Office Space in PICC

SECTION VIII. Bill Of Quantities

Bill No.1 General Conditions			
	Description	Unit	Qty
1.01	Safety Precautions	LOT	1
1.02	Security	LOT	1
1.03	Temporary Works (Scaffoldings & Storage Room)	LOT	1
1.04	Disposal of Rubbish and Others	LOT	1
1.05	As Built Drawings	LOT	1
1.06	Turn Over Cleaning	LOT	1
1.07	Mobilization	LOT	1
1.08	Demobilization	LOT	1
Bill No.2 Dismantling/Relocation/Dismantling Works @ Secretariat Building			
2.1	Walls, Floors, Finishes, etc.		
2.1.1	Internal Wood Partitions @ West Wing	LOT.	1
2.1.2	Wood Partitions @ East Wing,	LOT	1
2.1.3	Dismantle Glass Wall Aluminum Frame turn –over to PICC @ West Wing, Ground Floor	LOT	1
Bill No. 3 Architectural Works			
3.1	Carpentry Works		
3.1.1	New Narra Plywood Door with Door Jambs for various Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor including hardwares	SET	20
3.1.2	New Plywood Wood Doors at Old Warehouse (New Annex Bldg) with jambs and hardwares	SET	17
3.2	Hardwares		
3.2.1	New Hinges 4-1/2"x4"Ball Bearing, Heavy Weight ,Full Mortise for Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor	-----	Inc. in Doors
3.2.2	Locksets for Offices, Conference Rooms and stock rooms at the West, East and North Wing, Ground floor	-----	Inc. in Doors
3.3	Glass and Aluminum Works		
3.3.1	New Glass Wall and Door Aluminum Frame Analok Finish Same thickness and size as existing in PICC Secretariat Building @ Ground Floor for West Wing Lobby and Offices complete with Locksets and Standard Handles same as existing opposite East Wing Glass Door	S.M.	23

3.3.2	Allow for dismantling and re-use/re-install double aluminum glass doors from SEC office in Ortigas to New Annex Bldg in PICC including additional CHB wall with cement plaster finish both faces	set	2
3.3.3	Allow for leveling and tightening of existing Tee Runners @ Secretariat Bldg.	LOT	1
3.4	Wooden Partition		
3.4.1	New Narra, 6mm thk, Wood Partitions, Double Wall on wood Frames, (similar to existing PICC Partitions) at West and North Wings (conference rooms, stock rooms, dental/medical room, COA, BAC, press office, Library, PRU area)	S.M.	660
3.5	Suspended Ceilings, Walls and Metal Support (@ SEC Annex Building and various works at the Ground Floor, Secretariat Building		
3.5.1	New Fiber cement boards Ceiling Board, 600mm x 1200mm x 6mm thk.including Steel wall Frames and ceiling Furring Runners spaced @ 0.60meters on centers each way @ Multi-Purpose Room, Examination Room, Records Rooms, Provident, SECCU and SECEA Rooms at Annex Building	S.M..	817
3.5.2	New Ficem Board ,6mm thick double walls on steel channels at 0.60x0.60 vertical and horizontal spacing for the Records Rooms at Annex Building	S.M.	399
3.5.3	New Louver wall @ Exterior Garden area to cover the ACCU (outdoor unit)	S.M.	8
3.4.4	Two-sets (2), Wood Cabinets and cupboards with stainless steel sinks @ Medical and Dental Clinics below counters and above counters complete with 20 mm dia.water supply lines and 50mm. dia.pvc drainage pipe lines to be connected to the nearest existing Female comfort room . Dental Chair shall be provided with 12mm dia. water supply line and 50mm dia.PVC drainage pipe line to be drained to nearest janitors room.	LOT	1
3.5.5	Dismantle, hauling and re-installation of PVC folding partition, (2) sets, from SEC Office at EDSA to Medical office at PICC	LOT	1

3.6	Painting and Varnishing		
3.6.1	Latex Paint, 4 coats, semi gloss, color and finished same as existing concrete walls at newly installed fiber cement boards walls and ceilings (@ Old Warehouse, New Store Room and Multi Purpose Room . Repaint all Interior existing walls of Existing Warehouse up to the ceiling	S.M.	1,600
3.6.2	Varnish: 3coats sanding sealer,1 finish coat clear for new narra plywood partitions @ West Wing and North Wing	S.M.	1,320
Bill No. 4 Mechanical Works			
4.1	Installation of 5TR, Floor Mounted , Air-Conditioner at the SERVER ROOM. Dismantle at Old SEC Building in EDSA, Clean and Reinstall. Repaint with epoxy paint steel frame/stand. Make good any damaged or defective existing wirings and install new drain piping system, test and make operational. Provide circuit breakers as necessary (Existing locations and sizes in Old SEC Building ,SEC to identify)	Unit	4
4.2	Installation of 5TR, Floor Mounted , Air-Conditioner at the Warehouse Area , now SEC Annex Building. Dismantle at Old SEC Building in EDSA, Clean and Reinstall. Repaint with epoxy paint steel frame/stand. Make good any damaged or defective existing wirings and piping system, test and make operational. Provide circuit breakers as necessary (Existing locations and sizes in Old SEC Building ,SEC to identify)	Unit	7
Bill No. 5 Electrical works			
	I. PANEL BOARD		
1	MDP Panel	set	1
	Main: 800AT/1000AF, 3P, 230V ACB		
	Branches:		
	1 - 400AT/600AF, 3P, 230V		
	1 - 150AT/200AF, 3P, 230V		
	1 - 125AT/150AF, 3P, 230V		
	Branches:		
	1 - 50AT / 50AF, 3P, 230V		
	w/ Ground Terminal Busbar and Kilowatt Hour		
2	PP1 Panel	set	1
	Main: 125AT/150AF, 3P, 230V		
	Branches:		
	20 - 30AT/50AF, 2P, 230V B.O		
	w/ Ground Terminal Busbar		

3	PP2 Panel	set	1
	Main: 150AT/200AF, 3P, 230V ACB		
	Branches:		
	24 - 30AT/50AF, 2P, 230V B.O		
	w/ Ground Terminal Busbar		
4	PP3 Panel	set	1
	Main: 100AT/100AF, 3P, 230V		
	Branches:		
	18 - 30AT/50AF, 3P, 230V B.O		
	w/ Ground Terminal Busbar		
5	PP5 Panel	set	1
	Main: 150AT/200AF, 3P, 230V		
	Branches:		
	12 - 30AT/50AF, 2P, 230V B.O		
	7 - 40AT/50AF, 3P, 230V B.O		
	1 - SPACE		
	w/ Ground Terminal Busbar		
6	PPACU Panel	set	1
	Main: 400AT/600AF, 3P, 230V ACB		
	Branches:		
	11 - 50AT/50AF, 3P, 230V B.O		
	w/ Ground Terminal Busbar		
7	PP 2nd Floor	set	1
	Main: 100AT/150AF, 3P, 400V MCCB		
	Branches:		
	5 - 30AT/50AF, 1P, 230V ACB - B.O		
	5 - 20AT/50AF, 1P, 230V ACB - B.O		
	w/ Ground Terminal Busbar		
	II. FEEDER LINE		
8	2 1/2"Ø RSC Pipe	length	33
9	2 1/2"Ø RSC Elbow	pcs	6
10	2 1/2"Ø RSC Couling	pcs	15
11	2 "Ø RSC Pipe	length	17
12	2 "Ø RSC Elbow	pcs	3
13	2 "Ø RSC Coupling	pcs	8
14	1 1/2"Ø RSC Pipe	length	17
15	1 1/2"Ø RSC Elbow	pcs	3
16	1 1/2"Ø RSC Coupling	pcs	8
17	1 1/4"Ø RSC Pipe	length	37
18	1 1/4"Ø RSC Elbow	pcs	8
19	1 1/4"Ø RSC Coupling	pcs	16
20	250mm ² THHN wire	meters	35
21	125mm ² THHN wire	meters	300
22	50mm ² THHN wire	meters	153
23	38mm ² THHN wire	meters	150
24	30mm ² THHN wire	meters	330
25	30mm ² TW wire	meters	100
26	14mm ² TW wire	meters	103
27	8.0mm ² TW wire	meters	110
28	Pull Boxes, Hanger & Support and other	lot	1
	III. EAST WING POWER LAY OUT		
29	1/2"Ø EMT Pipe	length	352
30	1/2"Ø EMT Coupling	pcs	519
31	1/2"Ø EMT Adaptor & Locknut	pcs	480
32	Gauge #16 Junction Box Deep Type w/ cover	pcs	71
33	Gauge #16 Utility Box Deep Type	pcs	164

34	3.5mm ² THHN wire	meters	2,154
35	3.5mm ² TW wire	meters	1,077
36	2 gang C.O 3 prong	sets	171
37	Pull Boxes, Hanger & Support and other	lot	1
	IV. NORTH WING POWER LAY OUT		
38	1/2"Ø EMT Pipe	length	488
39	1/2"Ø EMT Coupling	pcs	677
40	1/2"Ø EMT Adaptor & Locknut	pcs	872
41	Gauge #16 Junction Box Deep Type w/ cover	pcs	191
42	Gauge #16 Utility Box Deep Type	pcs	164
43	3.5mm ² THHN wire	meters	3,002
44	3.5mm ² TW wire	meters	1,456
45	2 gang C.O 3 prong	sets	164
46	Pull Boxes, Hanger & Support and other	lot	1
	V. WEST WING POWER LAY OUT		
47	1/2"Ø EMT Pipe	length	404
48	1/2"Ø EMT Coupling	pcs	480
49	1/2"Ø EMT Adaptor & Locknut	pcs	384
50	Gauge #16 Junction Box Deep Type w/ cover	pcs	134
51	Gauge #16 Utility Box Deep Type	pcs	174
52	3.5mm ² THHN wire	meters	2,418
53	3.5mm ² TW wire	meters	1,209
54	2 gang C.O 3 prong	sets	214
55	Pull Boxes, Hanger & Support and other	lot	1
	VI. THIRD FLOOR POWER LAY OUT		
56	1/2"Ø EMT Pipe	length	769
57	1/2"Ø EMT Coupling	pcs	1,069
58	1/2"Ø EMT Adaptor & Locknut	pcs	1,238
59	Gauge #16 Junction Box Deep Type w/ cover	pcs	267
60	Gauge #16 Utility Box Deep Type	pcs	234
61	3.5mm ² THHN wire	meters	4,619
62	3.5mm ² TW wire	meters	2,308
63	2 gang C.O 3 prong	sets	220
64	Pull Boxes, Hanger & Support and other	lot	1
	VII. PPACU PANEL		
65	3/4"Ø EMT Pipe	length	119
66	3/4"Ø EMT Coupling	pcs	180
67	3/4"Ø EMT Adaptor & Locknut	pcs	66
68	8.0mm ² THHN wire	meters	1,086
69	5.5mm ² TW wire	meters	362
70	50AT, 3P, 230V Nema 3R Enclosure	sets	11
71	Pull Boxes, Hanger & Support and other	lot	1
	VIII. WAREHOUSE POWER LAYOUT		
72	1/2"Ø EMT Pipe	length	379
73	1/2"Ø EMT Coupling	pcs	505
74	1/2"Ø EMT Adaptor & Locknut	pcs	529
75	3/4"Ø EMT Pipe	length	107
76	3/4"Ø EMT Coupling	pcs	144
77	3/4"Ø EMT Adaptor & Locknut	pcs	48
78	1/2"Ø FMC	length	133
79	1/2"Ø FMC A/L	pcs	178
80	Gauge #16 Junction Box Deep Type w/ cover	pcs	154
81	Gauge #16 Utility Box Deep Type	pcs	116
82	5.5mm ² THHN wire	meters	975
83	3.5mm ² THHN wire	meters	3,426

84	3.5mm ² TW wire	meters	1457
85	1 gang 1 way switch	sets	15
86	2 gang 1 way switch	sets	9
87	3 gang 1 way switch	sets	2
88	1 gang C.O 3 prong	sets	15
89	2 gang C.O 3 prong	sets	90
90	40AT, 3P, 230V Nema 3R Enclosure	sets	7
91	Troffer type fixture with 2 x 18W LED tube,	sets	34
92	Round Pinlight fixture with 18W LED bulb	sets	86
93	Pull Boxes, Hanger & Support and other	lot	1
IX. KILOWATT HOUR METERS			
94	Class 200 G.E Kilowatt Hour Meter Self Model : V62S	units	11
95	Class 10 G.E Kilowatt Hour Meter C. T. Rated Model : V64S	units	6
96	Current Transformer for Meter Reading Ratio	units	3
97	Current Transformer for Meter Reading Ratio	units	9
98	Current Transformer for Meter Reading Ratio	units	6
99	Wiring & Necessary Accessories	lot	1
X. TELEPHONE SYSTEM			
100	2"Ø EMT Pipe	length	21
101	2"Ø EMT Coupling	pcs	15
102	2"Ø EMT Elbow	pcs	8
103	1/2"Ø EMT Pipe	length	1,619
104	1/2"Ø EMT Coupling	pcs	1,134
105	1/2"Ø EMT Adaptor & Locknut	pcs	828
106	Gauge #16 Utility Box Deep Type	pcs	205
107	Gauge #16 Junction Box Deep Type w/ cover	pcs	105
108	Square Box 4 x 4	pcs	30
109	Cable Tray 200 x 100	length	165
110	CAT5E Belden Cable Wire	rolls	70
111	100 Pair UTP Cable Wire	meters	40
112	1 gang Telephone Outlet	sets	209
113	Pull Boxes, Hanger & Support and other	lot	1
XI. REWIRING OF THIRD FLOOR LIGHTING FIXTURES			
114	2 gang 1 way switch	sets	26
115	Gauge #16 Utility Box Deep Type	pcs	26
116	1/2"Ø EMT Pipe	length	26
117	1/2"Ø EMT Coupling	pcs	26
118	1/2"Ø EMT Adaptor & Locknut	pcs	26
119	3.5mm ² THHN wire	meters	390
120	Hanger & Support and other Necessary Accessories	lot	1