



**Bids and Awards Committee**

**Project Title: Supply, Delivery and Installation of Server Room and Structured Cabling System for SEC Office Spaces in PICC (Re-bidding)**

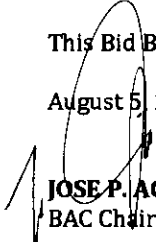
**Bid Bulletin No.1**

All Prospective Bidders are hereby informed of the amendments to the SEC Bidding Documents:

<b>PARTICULARS</b>	<b>CLARIFICATION/AMENDMENT</b>
<b>Section VI. Specifications (Page 72-77)</b>	<b>Annex "A"</b>  Revised Section VI. Specifications
<b>Page 86, Item 2.7.7 under Bill of Quantities (BoQ)</b>	<b>Page 86, Item 2.7.7 under Bill of Quantities (BoQ), deleted</b>
<b>Checklist (last page of the bidding document)</b>	<b>Checklist (last page of the bidding documents)</b>
<b>Item No.13, Organizational Chart (SEC Standard Form No.1)</b>	<b>Revised SEC Form No. 1, Item No. 13,with Attachments (SEC Form Nos. 2, 3 and 4 for each personnel)</b>
<b>Checklist (last page of the bidding document)</b>	<b>Checklist (last page of the bidding document)</b>
<b>Item No. 9 under Post-qualification Documents</b>	<b>Item No. 9 under Post-qualification Documents</b>
<b>Certificate of No Derogatory Remarks issued by SEC CRMD, applicable to corporations only</b>	<b>Certificate of No Derogatory Information issued by SEC CRMD not earlier than the bid submission date, applicable to corporations only</b>

This Bid Bulletin No. 1 shall form an integral part of the Bidding Documents.

August 5, 2016

  
**JOSE P. AQUINO**  
BAC Chairman

## *Section VI. Specifications*

Item Number	Description	Approved Budget for the Contract
1	<b>Supply, Delivery and Installation of SERVER ROOM AND STRUCTURED CABLING SYSTEM of Securities and Exchange Commission Office at PICC</b>	<b>P 11,500,000.00</b>

I. SCOPE OF WORKS AND TECHNICAL SPECIFICATIONS: SUPPLY, DELIVERY AND INSTALLATION OF A SERVER ROOM AT SEC-PICC	Comply / Not Comply
<p><b>Design, supply, install, configure, test, and document, one (1) set of 20 KVA on-line double conversion Uninterruptible Power Supply (UPS) with Simple Network Management Protocol (SNMP) and the following features, specifications and related works:</b></p> <ul style="list-style-type: none"> <li>• Topology - Online double conversion;</li> <li>• Power factor - 0.8;</li> <li>• UPS status and measurements (load level, battery level, input/ output voltage and frequency) available on the unit's LCD screen display;</li> <li>• Battery back-up - Eight (8) minutes runtime at nominal load and capable to extending runtime by adding up external battery modules;</li> <li>• Input Voltage: 220/230/240V 3 phase;</li> <li>• Output Voltage: 220/230/240V +/- 2%;</li> <li>• Input frequency range 50/60Hz auto selection;</li> <li>• Input Connection – Terminal block;</li> <li>• Output Connection – Terminal block;</li> <li>• Communication Ports - Option for: One (1) USB port + 1 RS232 serial port (USB and RS232 ports cannot be used simultaneously);</li> <li>• Communication Slot - Option for: One (1) slot for Network-MS, ModBus-MS or Relay-MS cards Output;</li> </ul> <p><b>Related works</b></p> <p>Contractor shall:</p> <ul style="list-style-type: none"> <li>• Supply, deliver, haul and install the unit to its designated location;</li> <li>• Supply, deliver, and install the electrical panels, breakers, lugs, wires, and roughing -in materials for electrical supply tapping from the nearest source to make the UPS operational and conduct electrical load balancing when necessary;</li> </ul>	

<ul style="list-style-type: none"> <li>• Conduct testing and commissioning;</li> <li>• Prepare as-built documentation.</li> </ul>	
<p><b>Supply and installation of one (1) set of biometric and proximity door access device with the following features and specification:</b></p> <ul style="list-style-type: none"> <li>• combination of biometric and proximity</li> <li>• electromagnetic lock</li> <li>• contactless push to exit for the Server Room main entrance.</li> </ul>	
<p><b>Dismantling, Hauling and Re-installation of Fire Suppression System</b></p> <p>Contractor shall:</p> <ul style="list-style-type: none"> <li>• Transfer the existing FM200 Fire Suppression System from the SEC-EDSA server room to SEC- PICC server room;</li> <li>• Transfer of the main control panel and all usable Fire Suppression System components;</li> <li>• Transfer of existing Fire Suppression System cylinder including re-pressurization and additional FM200 agent;</li> <li>• Supply of new electrical and mechanical components necessary to make the system operational;</li> <li>• Conduct testing and commissioning;</li> <li>• Prepare as-built documentation</li> </ul>	
<p><b>Dismantling, Hauling and Re-installation of all Server room IT equipment. (Desktop servers, network equipment and other IT equipment)</b></p> <p>Contractor shall:</p> <ul style="list-style-type: none"> <li>• Conduct complete inventory of all network racks, servers, security equipment, backup media/devices, network equipment and other server room related equipment before and after the transfer;</li> <li>• Ensure organized labelling on all equipment to be transferred;</li> <li>• Dismantle of all related equipment to be transferred;</li> <li>• Ensure that all equipment to be transferred will be cleaned and free from dirt and dust;</li> <li>• Ensure that all servers, security equipment, backup media/devices, network equipment and other Server room related equipment to be transferred and must be individually bubble wrapped and properly secured for transfer;</li> <li>• Haul all related equipment;</li> <li>• Installation of all transferred equipment;</li> </ul>	

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<ul style="list-style-type: none"> <li>• Conduct sequential power up of transferred equipment;</li> <li>• Provide stand-by personnel for the stabilization and operationalization of all transferred Server room equipment;</li> <li>• Secure insurance on all server room equipment to be transferred from any accredited insurance provider.</li> </ul>	
<p><b>Supply and installation of one (1) set Environmental Monitoring Device with the following features and specification:</b></p> <ul style="list-style-type: none"> <li>• Contractor shall supply, install and configure one (1) set unit of temperature and humidity sensor with the following specifications: <ul style="list-style-type: none"> <li>○ Sensor must be: <ul style="list-style-type: none"> <li>▪ a single device that can monitor both temperature and humidity;</li> <li>▪ with temperature range: <math>\pm 0.5^{\circ}\text{C}</math> from <math>0^{\circ}\text{C}</math> to <math>+60^{\circ}\text{C}</math>; relative humidity measurement range: 0 to 100% RH;</li> <li>▪ Compliant with Communication protocols - SNMPv2, v3 and HTTP;</li> <li>▪ Powered by PoE or 12V DC</li> </ul> </li> </ul> </li> </ul>	
<p><b>Civil and Architectural Works</b></p> <p>Contractor shall:</p> <ul style="list-style-type: none"> <li>• Provide space planning layout for the identified and approved Server Room location at SEC-PICC office;</li> <li>• Install New 6mm Tempered Glass Wall, Aluminum Frame Analok Finish.</li> <li>• Remove existing CHB wall</li> </ul>	
<p><b>Electrical System Works</b></p> <p>Contractor shall:</p> <ul style="list-style-type: none"> <li>• Supply, install, terminate, test, and document the server room electrical system including grounding system;</li> <li>• Install electrical cabling from UPS to network racks including tapping of PDU, twist locks and commando outlet;</li> </ul>	

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<ul style="list-style-type: none"> <li>• Install electrical cabling from auxiliary equipment electrical panel to fire suppression system;</li> <li>• Install electrical cabling of UPS from UPS power panel;</li> <li>• Install electrical cabling for convenience outlets</li> <li>• Install new grounding system for the Network Racks to be tapped to the existing building grounding system;</li> <li>• Perform load balancing on affected electrical system.</li> </ul>	
<p><b>II. SUPPLY, DELIVERY AND INSTALLATION OF STRUCTURED CABLING SYSTEM FOR LOCAL AREA NETWORK AND WIFI (WIRELESS CONNECTION)</b></p>	
<p>Supply, install, test, and provide as-built documentation of 250 data nodes using Cat6 UTP for horizontal cabling and fiber optic backbone cabling from Server Room to 3<sup>rd</sup> floor data frame with all the necessary related components and works for the Structured Cabling System (SCS) with the following specifications:</p> <ul style="list-style-type: none"> <li>• Data Cabinet <ul style="list-style-type: none"> <li>○ Supply deliver and install One (1) 42U network rack with dual power distribution unit</li> <li>○ One(1) 12U wall mount cabinet, glass door with power distribution unit both 19" EIA 310-D Compliant.</li> </ul> </li> <li>• UTP Cable <ul style="list-style-type: none"> <li>○ Category 6, 4-pairs</li> </ul> </li> <li>• UTP Components <ul style="list-style-type: none"> <li>○ Category 6 UTP patch panel</li> <li>○ patch cords (5m and 1m) for equipment and workstations; Category 6 RJ45 connectors;</li> <li>○ Category 6 Information Outlet/Modular Jack and faceplate</li> </ul> </li> <li>• UTP Works – <ul style="list-style-type: none"> <li>○ All related roughing-in materials including necessary wire organizers, such as conduits, utility boxes, junction boxes; and</li> <li>○ All related overhead cable ladder for cable distribution between servers and MDFs;</li> </ul> </li> <li>• Fiber Optic Cable - 4-core, 50/125um, multimode, outdoor rated; <ul style="list-style-type: none"> <li>○ Fiber Optic Components - fiber panel 1U High, w/ SC simplex adapters, multimode, 8-port loaded; all necessary fiber optic one (1) meter patch cord SC-LC, duplex, LSZH, 50/125um; all necessary fiber pigtailed with SC connector, simplex, multimode; and</li> <li>○ Fiber Optic Works - All related vertical and horizontal roughing-in materials, such as wire organizers, termination kit, conduits,</li> </ul> </li> </ul>	

<p>junction boxes, among others</p>	
<p><b>Design, supply, install, and configure sixteen (16) sets of Wireless Access Points (WAPs) to be strategically deployed at the ground floor and third floor office areas and related Wireless Controller (B.3 below) with the following specifications:</b></p> <ul style="list-style-type: none"> <li>• Concurrent dual-band support;</li> <li>• Up to 300 Mbps throughput at 2.4Ghz;</li> <li>• Capable of supporting 250 concurrent clients per Access Point;</li> <li>• Capable of Smart Mesh Networking;</li> <li>• 27 BSSID with unique QoS and security policies;</li> <li>• WEP, WPA-PSK (AES), 802.1X support</li> </ul>	
<p><b>Supply, install and configure one (1) set Wireless Controller for the above WAPs with license of up to 25 access points with the following specifications:</b></p> <ul style="list-style-type: none"> <li>• Control user access;</li> <li>• Automatic traffic redirection</li> <li>• WLAN-wide network, security, RF, and location management;</li> <li>• Support for 802.1x, LDAP (captive portal), native Active Director, and RADIUS authentication and dynamic VLAN assignment capabilities;</li> <li>• Controls traffic thresholds for users on a specific SSID.</li> </ul>	
<p><b>Supply, install and configure One (1) set of 44 port PoE Ethernet Network Core Switch with the following specifications:</b></p> <ul style="list-style-type: none"> <li>• Forty Four (44) RJ-45 autosensing 10/100/1000 PoE+ ports;</li> <li>• Two (2) 10GbE SFP and (2) open 10GbE SFP</li> <li>• Four (4) open module sets</li> <li>• Supports maximum of 144 autosensing 10/100/1000 ports</li> <li>• Memory and processor <ul style="list-style-type: none"> <li>○ Freescale P2020 dual core @ 1.2 GHz</li> <li>○ 16 MB flash</li> <li>○ 1 GB SD Card</li> <li>○ 4 GB DDR3 SODIMM</li> </ul> </li> <li>• Licensed free software with advanced Layer 2 and 3 feature set including IPV6, IPv4 BGP, policy based routing, OSPF, and robust QoS.</li> </ul>	

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<p><b>Supply, install and configure four (4) sets of 24 port PoE Ethernet Network Switch with the following specifications:</b></p> <ul style="list-style-type: none"> <li>• 24 x 10/100 PoE+ ports;</li> <li>• 2 x 10/100/1000 ports and 2 GbE SFP slots;</li> <li>• Full Layer 2 capabilities with optional PoE+</li> </ul>	
<p><b>III. PROJECT DURATION</b></p>	
<p>The winning bidder shall complete the work within ninety (90) calendar days from receipt of Notice to Proceed.</p> <ul style="list-style-type: none"> <li>➤ 60 CD for Structured Cabling, Preparation of the Server Room and all the works</li> <li>➤ 90 CD for the Supply and Installation of UPS</li> </ul>	
<p><b>IV. TERMS OF PAYMENT: 15% Advance Payment; 35% (upon completion of 50%of contract) and 50% (upon completion and acceptance of contract)</b></p>	
<p><b>V. WARRANTY</b></p>	
<p>Equipment and other related supplies warranty – One (1) year</p> <p>Workmanship – One (1) year</p>	
<p><b>VI. OTHERS</b></p>	
<p>The Bidder/Contractor MUST submit proof that they comply with the following qualifications:</p> <ol style="list-style-type: none"> <li>1. Must be operating in the Philippines for the past five (5) years whose service/products include among others, any acts required in, or associated with, information and communication technology, including construction, renovation and maintenance of data centers and network facilities and the provision of the necessary manpower and training.</li> <li>2. A Company with valid Contractors License issued by PCAB under classification: <u>SPECIALTY</u></li> <li>3. Have designed, build/rehabilitated at least one (1) Server room project whether ongoing or completed which includes the following components: <ol style="list-style-type: none"> <li>a. Uninterruptible Power Supply (UPS)</li> <li>b. Fire Suppression</li> <li>c. Structured Cabling System</li> <li>d. Electrical System</li> </ol> </li> </ol>	

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4. Have personnel with the following qualification and experience(submit training certificate and CV):

- a. One (1) Project Manager or Equivalent - should be a regular employee with at least ten (10) years' experience in project management, design and implementation. Trained in Total Building, Integration Cabling and Project Management; Fire Systems Design, Configuration, Installation; Wireless LAN; Precision Air-conditioning System and Uninterruptible Power Supply.
- b. One (1) Assistant Project Manager or Equivalent-should be a regular employee with at least five (5) years' experience in Server room construction and maintenance; Trained in various Server room components such as Precision Air-Conditioning, Uninterruptible Power Supply, Fire Suppression System and IP Surveillance Solution; Certified Copper and Fiber Designer and Installer.

5. Must have the following Sustaining Technical Employee (STE) registered with DTI-PCAB under the name of the bidder/contractor (Submit STE Affidavit and PRC Licenses):

- a. One (1) Licensed Electrical Engineer
- b. One (1) Licensed Mechanical Engineer
- c. One (1) Licensed Electronics and Communications Engineer

6. For joint venture, valid Joint Venture Agreement (JVA). In the absence of JVA, duly notarized statements from all the potential JV partners stating that they will enter into and abide by the provision of the JVA in the instance that the bid is successful.

Failure to enter into a JVA in case of contract award shall be a ground for the forfeiture of bid security.

Each JV Partner shall submit all the required legal eligibility documents:

- 1. Registration Certificate from SEC/DTI/CDA, as applicable
- 2. Mayor's Permit as required; and
- 3. Tax Clearance as required.

The submission of technical and financial eligibility documents by any joint venture partners constitute compliance.



I hereby certify that the statement of compliance to the foregoing technical specifications are true and correct otherwise, if found to be false either during bid evaluation, post-qualification or the execution of the contract, the same shall give rise to the imposition of administrative sanctions and the forfeiture of bid security or the performance security posted consistent with Section 69.1 and 69.2 of the Revised Implementing Rules and Regulations of the Republic Act No. 9184.

Company Name : \_\_\_\_\_  
Company Address : \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE**

Signature : \_\_\_\_\_  
Printed Name : \_\_\_\_\_  
Position : \_\_\_\_\_  
Date : \_\_\_\_\_

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Contractor's Organizational Chart for the Contract

Submit Copy of the Organizational Chart that the Contractor intends to use to execute the Contract if awarded to him. Indicate in the chart the names of the Project Manager, Project Engineer, Professional Electrical Engineer and Foreman.

Attach the required Proposed Organizational Chart for the Contract as stated above

1. *This organization chart should represent the "Contractor's Organization" required for the project and not the organizational chart of the entire firm.*
2. *The bidders shall comply with and submit **SEC Standard Form No. 2** for each of such key personnel.*
3. *Each such nominated engineer/key personnel shall comply with and submit **SEC Standard Form No. 3** and **SEC Standard Form No.4**.*
4. *All these are required to be in the Technical Envelope of the Bidder.*

**CHECK LIST**

<b>FIRST ENVELOPE: ELIGIBILITY REQUIREMENTS</b>	
1.	Authority of Signatory
2.	Business Registration
1.1	Sole Proprietor - DTI Registration Certificate
1.2	Partnership - SEC Certificate of Recording
1.3	Corporation - SEC Certificate of Registration
1.4	Cooperative - Cooperative Development Authority Registration
3.	Valid and Current Mayor's Permit issued by the city or municipality where the principal place of business of the prospective bidder is located
4.	Statement of single largest completed contract similar to the contract to be bid, within the ten (10) years period prior to the deadline for submission and receipt of bids. <b>Attachment:</b> 1. Approved Contract/P.O./W.O.; 2. End-user's certificate of completion/acceptance or Official Receipt
5.	List of all Ongoing Government & Private Contracts including contract awarded but not yet started
6.	Valid PCAB License " <b>Category C &amp; D</b> " for <b>Specialty</b> . Registered as " <b>at least Small B</b> "
7.	<b>For Corporation</b> - Latest Audited Financial Statements stamped "received" by SEC and BIR or its duly accredited and authorized institutions, for the preceding calendar year; which should not be earlier than two (2) year from bid submission. <b>For Sole Proprietorship/Partnership</b> - Latest Audited Financial Statements stamped "received" by the Bureau of Internal Revenue (BIR) or its duly accredited and authorized institutions, for the preceding calendar year, which should not be earlier than two (2) years from bid submission.
8.	Computation of NFCC computation in accordance with ITB Clause 5.5 NFCC Computed Amount:
9.	Valid Tax Clearance per EO 398 Joint Venture Agreement (JVA), if already in existence.
10.	If not yet in existence, a duly notarized statements from all potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.
<b>TECHNICAL REQUIREMENTS</b>	
11.	<b>Bid Security:</b> Bid Securing Declaration or
12.	any of the following forms: a. Manager's/Cashier's Check; b. Bank Guarantee; c. Surety Bond;
	Amount:
	Form:
	Validity Period: 120 Calendar Days
13.	Organizational Chart for the contract to be bid (SEC Standard Form No. 1). <b>Attachments: SEC Standard form No. 2, 3 &amp; 4 for each personnel</b>
14.	List of contractor's key personnel to be assigned to the project to be bid with their complete qualification and experience data (SEC Standard Form No. 5).
15.	List of contractor's equipment units, which are owned, leased, and/or under purchase agreements supported by certification of availability of equipment from the equipment lessor/vendor for the duration of the project (SEC Standard Form No. 6)
16.	Sworn Statements in accordance with Section 25.2(b)(iv) of the IRR of RA 9184 (Omnibus Sworn Statement)
17.	Statement of Compliance with the technical specification
<b>SECOND ENVELOPE:</b>	
1.	Bid Form (in accordance with the form prescribed in Section IX. Bidding Document)
2.	Bid Price Schedule
<b>POST-QUALIFICATION DOCUMENTS: (to be submitted by the bidder with the Lowest Calculated Bid)</b>	
1.	Valid Certificate of PhilGEPS Registration Latest Business Tax Return and proof of payments for the six (6) month period preceding the submission and receipt of bid
2.	<b>Note: Only tax return filed and taxes paid through the BIR Electronic Filing and Payment System (EFPS) shall be accepted</b>
3.	Construction Schedule , S-Curve and PERT/CPM or GANT Chart
4.	Manpower Schedule
5.	Construction Method
6.	Equipment Utilization Schedule Affidavit of undertaking to submit "Safety and health program approved by the Department of Labor and Employment" within 10 days
7.	from receipt of Notice of Award
8.	Affidavit of Site Inspection
9.	Certificate of No Derogatory Information issued by SEC-CRMD not earlier than the bid submission date (for Corporation only)