



# Bids and Awards Committee

Republic of the Philippines  
Professional Regulation Commission  
P. Paredes St., Sampaloc, Metro Manila  
Facsimile: 5-310-0037 / email: bac@prc.gov.ph




## Section VII. Technical Specifications

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| Items  |        | Description   |   |
|--|--------|---|---|
| Supply, Delivery, Installation, Testing and Commissioning of Various Audio Video (AV) System for the Conference Rooms of PRC Main Building and PICC Office Site and Audio System for PRC Auditorium Annex Building |        |   |   |
| 1. Projection and Digital Conference System for PRC Main Building  |        |   |   |
| QTY.   | UNIT   | ITEM/S  | Descriptions  |
| 2  | Set/s  | Motorized Screen  | <ul style="list-style-type: none"><li>• Size: 120” diagonal (64”x102”)</li><li>• Aspect ratio: 16:10</li><li>• Fabric: matte white</li><li>• With wireless RF remote control</li></ul>  |
| 2  | Set/s  | LCD Projector   | <ul style="list-style-type: none"><li>• Brightness: 4,000 ANSI Lumens</li><li>• Contrast Ratio: 20,000:1</li><li>• Resolution/Aspect Ratio: 1280 x 800 (1,024,000 pixels) /16:10</li><li>• Lamp life: 5,000 hours (Normal) 7,000 (Eco-mode)</li><li>• Connectors: HDMI, RGB,</li><li>• With wireless remote control</li></ul>   |
| 2  | Set/s  | Universal Projector Bracket   | <ul style="list-style-type: none"><li>• Flexible design to fit almost all popular projectors</li><li>• Metal type with cable management and cable routing channel for a clean look</li></ul>  |
| 2  | Set/s  | Wall Plate Patch  | <ul style="list-style-type: none"><li>• HDMI</li><li>• VGA</li><li>• 3.5 mm Audio</li></ul>   |
| 2  | Unit/s | Control Unit with built-in Recorder and Digital Acoustic Feedback Suppression | <ul style="list-style-type: none"><li>• Control all system elements – up to 245 Discussion devices per system (expandable)</li><li>• Intuitive control of microphone operating mode and loudspeaker volume via front panel capacitive buttons</li><li>• Advanced configuration and control via built-in web browser and tablet</li><li>• Internal recording for up to (8) eight hours</li><li>• External recording via USB up to 128 GB (&gt;4,000 hours).</li><li>• Recording and playback is done via either the Control Unit or via the web browser.</li><li>• Built-in Digital Acoustic Feedback Suppression (DAFS)</li><li>• Built-in loudspeaker and headphone socket for monitoring the proceedings</li><li>• Energy saving mode for cost minimization and prolonged life-time</li></ul> |



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|  |        |   |  |
|--|--------|---|--|
|  |        |   | <ul style="list-style-type: none"><li>With 3.0 USB Flash drive 256GB (for the use in external recording for conference system)</li><li>With 10 meters Extension cable assembly to connect the control unit to conference microphone</li></ul>  |
| 30   | Unit/s | Chairman/Delegate Units with Long Gooseneck Microphones                       | <ul style="list-style-type: none"><li>Plug and play functionality conveniently connected and removed from the system without the need to power down or restart the system.</li><li>GSM immunity or immunity to mobile interference to ensure clear and uninterrupted discussion/conference.</li><li>Microphones units are configurable as chairman and delegates.</li><li>With Loudspeaker and headphone sockets</li><li>Gooseneck Microphones Length: 18 inches minimum.</li><li>With LED indicator above the microphone button for the following: microphone on and request to speak. Light-ring indicator in the head of microphone.</li></ul>  |
| <b>2. Digital Conference System for PICC Office Site</b> |        |   |  |
| 2  | Unit/s | Control Unit with built-in Recorder and Digital Acoustic Feedback Suppression | <ul style="list-style-type: none"><li>Control all system elements – up to 245 Discussion devices per system (expandable)</li><li>Intuitive control of microphone operating mode and loudspeaker volume via front panel capacitive buttons</li><li>Advanced configuration and control via built-in web browser and tablet</li><li>Internal recording for up to (8) eight hours</li><li>External recording via USB up to 128 GB (&gt;4,000 hours).</li><li>Recording and playback is done via either the Control Unit or via the web browser.</li><li>Built-in Digital Acoustic Feedback Suppression (DAFS)</li><li>Built-in loudspeaker and headphone socket for monitoring the proceedings</li><li>Energy saving mode for cost minimization and prolonged life-time</li><li>With 3.0 USB Flash drive 256GB (for the use in external recording for conference system)</li></ul> |



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|   |        |  | <ul style="list-style-type: none"><li>With 10 meters Extension cable assembly to connect the control unit to conference microphone</li></ul>   |
| 30  | Unit/s | Chairman/Delegate Units with Long Gooseneck Microphones        | <ul style="list-style-type: none"><li>Plug and play functionality conveniently connected and removed from the system without the need to power down or restart the system.</li><li>GSM immunity or immunity to mobile interference to ensure clear and uninterrupted discussion/conference</li><li>Microphones units are configurable as chairman and delegates.</li><li>With Loudspeaker and headphone sockets</li><li>Gooseneck Microphones Length: 18 inches' minimum</li><li>With LED indicator above the microphone button for the following: microphone on and request to speak. Light-ring indicator in the head of microphone.</li></ul> |
| <b>3. Audio System for PRC Annex Building</b> |        |  |  |
| 2   | Set/s  | Portable column system   | <ul style="list-style-type: none"><li>12" subwoofer with 3-channel amp.</li><li>3.5" full-range neodymium drivers</li><li>Frequency response (-3dB): 43Hz – 20 KHz</li><li>Frequency Range (-10dB): 37Hz – 20KHz</li><li>Maximum SPL 127 dB</li><li>Coverage (H X V) 120 degrees' x 40 degrees</li><li>Amplifier rating: 1000 W</li><li>LF ABD HF channel rating: 500W</li><li>Crossover Frequency: 200 Hz</li><li>Connectors: 2x XLR/TRS Combo Jack Input; 1x 3.5 mm Input; 1x Stereo RCA Input, 1x Wireless</li><li>Bluetooth® Audio Input; 1x XLR THRU Output; 1x XLR MIX OUT Output</li></ul>  |
| 2   | Set/s  | Wireless Dual Vocal Microphone System (Transmitter & Receiver) | <ul style="list-style-type: none"><li>Operating range: 100m (300 ft.)</li><li>Integrated microphone capsule design</li><li>RF Sensitivity: -105 dBm for 12dB SINAD, typical</li><li>Phantom power protection</li><li>Vocal Handheld Microphone : 60Hz – 15kHz (Audio range)</li></ul>  |
| 1   | Set/s  | Cardioid Gooseneck Microphone                                  | <ul style="list-style-type: none"><li>Type: Condenser (electret bias)</li><li>18-inch Gooseneck Microphone</li><li>Max SPL: Cardioid 124.2 dB</li><li>Frequency response: 50-17000 Hz</li><li>Dynamic range: 96.2dB</li></ul>  |



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|---|--------|--------------------------|---|
|   |        |                          | <ul style="list-style-type: none"><li>Shock mount provides over 20 dB isolation from surface vibration noise</li><li>With Attached XLR Preamp, Shock &amp; Flange Mount, Snap-Fit Foam Windscreen, Mute Switch, LED Indicator</li><li>With 20 meters XLR cable assembly to connect the unit to analog mixer</li></ul>   |
| 1 | Unit/s | Analog mixer             | <ul style="list-style-type: none"><li>12-channel Analog Mixer</li><li>Phantom powered Mic preamps</li><li>Built-in USB/Audio Interface to directly connect to PC</li><li>Neo classic 3-band EQ'S with semi-parametric mic band for warm and musical background</li><li>Inputs-Mic Preamps: 8 x XLR</li><li>Phantom Power: 8</li><li>Inputs –Line: 16 x TRS, 2 X RCA</li><li>Outputs-Main: 2 x XLR, 2 X TRS</li><li>Aux sends: 1 X Pre, 1 x Pre/Post, 1 x Post</li></ul>   |
| 1 | Unit/s | Graphic equalizer        | <ul style="list-style-type: none"><li>31-band graphic equalizer for 2 channels</li><li>FBQ feedback detection system to identify problematic frequencies</li><li>Ultra-low noise operational amplifiers</li><li>Frequency Bands: 31 per channel</li><li>Bandwidth: 1/3 octave</li><li>Frequency response: 10 Hz to 30 kHz</li><li>Frequency range: 20Hz to 20KHz in 1/3 octave band</li><li>Signal to Noise Ratio: &gt;94dB @ +4dBu, 22 Hz to 22 kHz</li><li>Crossover Control: Dedicated mono subwoofer output with adjustable crossover frequency (30 to 300Hz)</li></ul> |
| 1 | Unit/s | AV rack / Equipment Rack | <ul style="list-style-type: none"><li>600mm x 600mm 32RU</li><li>Flexiglass front door with pushlock</li><li>With vertical power strip 8 outlets</li><li>With vertical cable manager</li><li>With 3 trays</li><li>4 exhaust fans</li></ul>  |
| 1 | Lot    | Engineering Services     | <p>inclusive of the following:</p> <ul style="list-style-type: none"><li>Installation of all supplied items</li><li>Cable Pulling and termination</li><li>Interconnecting Cables and connectors from equipment to wall patches for fixed installations. Extension cables (High HDMI and VGA with Audio cables) from Wall patch to source (laptop). Interconnecting audio cables with connectors for Audio System (5TH Floor).</li></ul>   |





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|          |   |  |   |
|----------|---|--|---|
|          |   |  | <ul style="list-style-type: none"><li>• Installation of Switch on and off for motorized screen and projector</li><li>• Miscellaneous items including wall plastics moldings and flexible hose conduits.</li><li>• Testing, commissioning and training</li><li>• Turn-over documents including Equipment Single-Line Diagram (SLD)</li></ul> |
| Warranty | One (1) year labor/parts and service warranty on all equipment and One (1) year warranty on all electronic equipment. |  |   |

1. Compliance with the statements must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate.
2. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection.
3. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the provisions of **ITB** Clause 4.

ACKNOWLEDGMENT AND COMPLIANCE WITH THE TERMS  
OF REFERENCE FOR THE SUPPLY, DELIVERY, INSTALLATION,  
TESTING AND COMMISSIONING OF VARIOUS AUDIO VIDEO (AV)  
SYSTEM FOR THE CONFERENCE ROOMS OF PRC MAIN BUILDING  
AND PICC OFFICE SITE AND AUDIO SYSTEM FOR PRC  
AUDITORIUM ANNEX BUILDING

SIGNATURE OVER PRINTED NAME  
OF AUTHORIZED REPRESENTATIVE,  
DESIGNATION AND PRINTED NAME OF COMPANY