



SECTION VII TECHNICAL SPECIFICATIONS

ITB NO. 052-2023

INSTRUCTION: Bidders must state here either "Comply" or "Not Comply" against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of "Comply" or "Not Comply" 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. 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. 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 3.1(a) (ii) and/or GCC Clause 2.1(a)(ii).

ITEM	SPECIFICATION	STATEMENT OF COMPLIANCE
AVE23-01	AUDIO AND VIDEO EQUIPMENT	
	TECHNICAL SPECIFICATIONS Indoor LED Wall (Rear Access) with: <ul style="list-style-type: none">- Screen Size: 9 meters x 6 meters- Resolution: 2048 X 768- Pixel Pitch: <4 mm- Best Viewing Distance: ≥ 3.9 m- View Angle: H:140$^{\circ}$; V:140$^{\circ}$- Input Voltage: 200-240V AC- Video Processor: YES- Input Signal: HDMI, VGA, DVI- Output Signal: VGA, DVI- Production Switcher with 4 HDMI Input- Framing and steel structure, installation of equipment, configuration and commissioning Installation Site: Pag-Asa Hall	
	At least 98" Smart TV <ul style="list-style-type: none">- NEO Quantum Processor 4K- Quantum HDR 32X- 100% Color Volume with Quantum DOT- Ultra/Wide Viewing Angle with Anti-Reflection- Spacefit Sound with Dolby Digital Plus and Bluetooth Audio	

	<ul style="list-style-type: none"> - Object Tracking Sound (OTS+) - Q-Symphony - Sound Output (RMS): 60W - Speaker Type: 4.2.2CH <p>Installation Site: Administration Building Conference, PETRU Auditorium, BAC Conference Room, MCC Conference Room</p>	
	<p>Full HD (3LCD, 3-chip) projector technology systems</p> <ul style="list-style-type: none"> - 1.2x – 1.4x optical zoom - At least 4, 000 lumens of color/white brightness plus full HD resolution (1920 x 1080) <p>HDMI, VGA, USB and wireless LAN connectivity with screen mirroring</p> <p>Installation Site: HRMO Conference Room, Quality Management Office, Office for Strategy Management</p>	
	<p>15” Active Speakers</p> <ul style="list-style-type: none"> - Rated Power: 1300W - Frequency Response: 55hz – 20kHz - Maximum SPL – 128 dB - Coverage Pattern – 90O x 60O - Audio I/Os: 2 XLR Combo, 1 XLR passthrough <p>Installation Site: Pag-Asa Hall</p>	
	<p>18” Active Subwoofers</p> <ul style="list-style-type: none"> - Rated Power: 1500W - Frequency Response: 31hz – 150Hz - Maximum SPL – 131 dB - Audio I/Os: 2 XLR Combo, 2 XLR loop-outs <p>Installation Site: Pag-Asa Hall</p>	
	<p>10” Active Speakers (For Monitors)</p> <ul style="list-style-type: none"> - Rated Power: 1300W - Frequency Response: 52hz – 20kHz - Maximum SPL – 125 dB - Audio I/Os: 2 XLR Combo, 1 XLR passthrough <p>Installation Site: Pag-Asa Hall, HRMO Conference Room</p>	
	<p>(12 pieces) Surface-mount Loudspeaker</p> <ul style="list-style-type: none"> - 2.25" Driver in a Ported Enclosure - 80W Peak Power Handling - 106 dB Max SPL - 130° H x 130° V Coverage Pattern - 70/100V with Multi-Tap Transformer <p>Installation Site: Admin Conference Room, PETRU Auditorium</p>	

	<p>12 Channel Analog Mixer</p> <ul style="list-style-type: none"> - Power Requirement: 100 – 240V - Power Consumption: 22W - Input Channels: 12 channels (Mono [MIC/LINE]: 4, Mono/Stereo [MIC/LINE]: 2, Stereo [LINE]: 2) - Output Channels: Stereo Out: 2, Phones: 1, Monitor Out: 1, Aux Send: 2, Group Out: 2 <p>Installation Site: Pag-Asa Hall</p>	
	<p>Mixer Amplifier</p> <ul style="list-style-type: none"> - 5 Zone with USB/BT/FM - 5 Mic, 2 Aux - 70V/100V/4-16ohms <p>Installation Site: Admin Conference Room, PETRU Auditorium</p>	
	<p>8 Channel Mixer</p> <ul style="list-style-type: none"> - Stereo Input - USB/Bluetooth Function <p>Installation Site: HRMO Conference Room</p>	
	<p>6 Channel Analog Mixer</p> <p>Installation site: PETRU Auditorium</p>	
	<p>Tripod Speaker Stand</p> <p>Installation Site: Pag-Asa Hall</p>	
	<p>Pole Stand</p> <p>Installation Site: Pag-Asa Hall</p>	
	<p>Speaker Cables</p> <p>Installation Site: Pag-Asa Hall</p>	
	<p>XLR Male/Female Connectors</p> <p>Installation Site: Pag-Asa Hall</p>	
	<p>Professional Wireless Microphone</p> <p>Installation Site: Pag-Asa Hall, HRMO Conference Room</p>	
	<p>Microphone Stand</p> <p>Installation Site: Pag-Asa Hall</p>	
	<p>Loudspeaker Management System</p> <p>Installation Site: Pag-Asa Hall</p>	
	<p>Equalizer</p> <ul style="list-style-type: none"> - Dual 31 Band - Frequency Range: 20Hz to 20kHz 	

	Installation Site: Pag-Asa Hall	
	Cabling Connectivity, other accessories on the installation of equipment, configuration testing and commissioning Installation Site: Pag-Asa Hall	
	Digital Conference Controller - Power Supply - AC220V - Audio Output - RCA, standard connector, XLR - Audio Input – RCA Installation Site: Admin Conference Room	
	Digital Conference Extension Unit - Power supply - AC220V Installation Site: Admin Conference Room	
	Conference Chairman Unit, Built-in Speaker - Power - DC20V - Frequency Response - 100Hz-10kHz - Gooseneck Length - 400mm Installation Site: Admin Conference Room	
	Conference Delegate Unit, Built-in Speaker - Power - DC20V - Frequency Response - 100Hz-10kHz - Gooseneck Length - 400mm Installation Site: Admin Conference Room	
	Portable UHF Wireless Microphone - Dual UHF Microphone - 16 Selectable Frequencies - USB Rechargeable Lithium Battery with AA Battery Adapter - LCD Display Installation Site: Admin Conference Room, PETRU Auditorium	
	Audio/MIDI Interface with MIDAS Preamp Installation Site: Admin Conference Room, PETRU Auditorium	
	Power Sequence Controller	
	18U Equipment Rack Installation Site: Admin Conference Room, PETRU Auditorium	

	<p>Equipment Rack Power Strips and Accessories</p> <p>Installation Site: Admin Conference Room, PETRU Auditorium</p>	
	<p>Conduit, Wires, Speaker Cables, Hangers and Accessories, Cabling Connectivity, other accessories needed in the installation of equipment, configuration testing and commissioning</p> <p>Installation Site: Admin Conference Room</p>	
	<p>Conduit, Wires, Speaker Cables, Hangers and Accessories, Cabling Connectivity, other accessories needed in the installation of equipment, configuration testing and commissioning</p> <p>Installation Site: PETRU Auditorium</p>	
	<p>Cabling Connectivity, other accessories needed on the installation of equipment, configuration testing and commissioning</p> <p>Installation Site: HRMO Conference Room</p>	
	<p>REQUIREMENTS</p> <ol style="list-style-type: none"> 1. The bidders must be continuously operating in the Philippines for the past five (5) years. 2. The bidders must have no pending case(s) against the government through submission of a notarized Certificate of No Pending Case(s) against the Government, as part of the bid. 3. The bidders must have a professional and technical expert with relevant certifications and training specifically for the installation of audio and video systems. 	
	<p>SCOPE OF WORK</p> <p>The scope of works includes the supply, delivery, installation and training of personnel on the use of the audio and video equipment systems with the indicated technical specification below. Further, the supplier shall:</p> <ol style="list-style-type: none"> 1. be responsible in ensuring safe and timely delivery of the equipment to the specified location(s) which includes coordinating logistics, packaging, and transportation; 2. facilitate proper installation of the audio and video equipment to ensure they function correctly and ensuring all components are integrated seamlessly; 3. conduct rigorous testing and commissioning of all equipment to ensure proper functionality and compliance with performance standards; and, 4. conduct training sessions to maximize the effectiveness 	

	<p>of the equipment and to educate personnel on how to use and maintain the audio and video systems. This training typically covers topics such as equipment operation, troubleshooting, maintenance, and safety procedures.</p>	
	<p>DELIVERY, INSPECTION AND ACCEPTANCE</p> <ol style="list-style-type: none"> 1. 1. The audio and video equipment systems must be delivered and installed within fifteen (15) days for the Pag-asa Hall audio and video system and thirty (30) days for the rest of the areas upon receipt of the Notice to Proceed (NTP); 2. Deliveries and installation should be made within office hours and on regular working days on or before the stipulated date in the contract, unless otherwise specified for valid reason why the same cannot be complied with; 3. NCMH shall impose penalty of 1/10 of 1% if the total value of the undelivered order for each day of delay as liquidated damages after the specified allowable number of days to deliver the units. 4. NCMH shall have the right to reject and return the unit(s) and cancel the corresponding Contract if units delivered are defective, incomplete or noncompliant to the specifications herein specified. 	
	<p>TERMS OF PAYMENT</p> <p>The payment shall be done within thirty (30) working days upon submission of complete documents including Inspection and Acceptance Report by the authorized/designated representatives of NCMH</p>	
	<p>WARRANTY AND AFTER SALES</p> <ol style="list-style-type: none"> 1. One (1) year warranty for parts and service on all deliverables/items. 2. During the warranty period, the supplier shall provide technical personnel free of charge to service the system and all its components/peripherals whenever hardware and/or related problem should occur. Should there be a need to pull-out a unit for repair, a replacement unit with at least the same specifications must be provided by the supplier before actual pull-out of the malfunctioned unit. 3. After Sales Service and Support during the warranty period, all reported defects shall be completely/satisfactorily repaired/replaced by the supplier 	

Conformed by:

**Authorized Representative's
Signature over printed name**

Date: _____