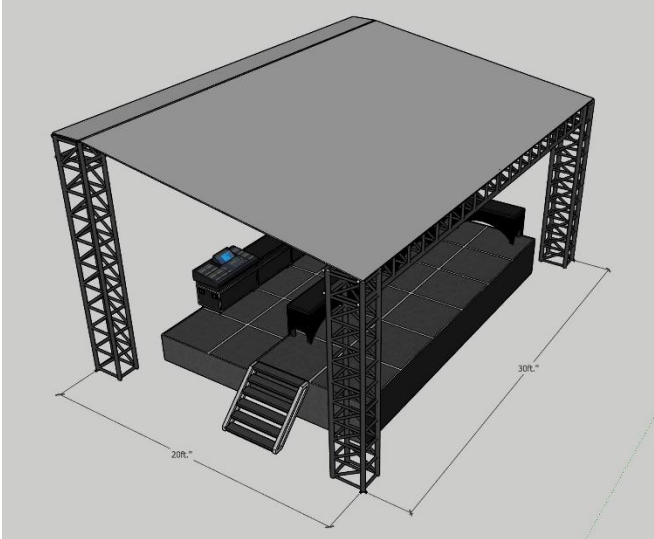


Section VII. Technical Specifications

Bidders must state “**Comply**” in the column “**Statement of Compliance**” against each of the individual parameters of each “Specifications.”

Procurement for the Rental of Technical Equipment for Konsyerto sa Palasyo 4			
No.	Description	Quantity	Statement of Compliance
1	<p>PORTALETS Waste Tank Capacity: at least or more than 60 Gal / 227 Liters Width: at least or more than 60 Gal / 227 Liters 43-inch / 109.2 cm Height: at least or more than 60 Gal / 227 Liters 90-inch / 228.6 cm Depth: at least or more than 60 Gal / 227 Liters 47.20-inch / 119.8 cm Weight-Empty: 185lbs. / 83.91kg</p>	4	
2	<p>1 SET TECHBOOTH ROOFING Dimension: 30 x 20 ft.</p> 	1	
3	<p>AUDIENCE ROOFING Design: Dome type roofing Dimension: 60 x 40 ft. / 25 to 30 ft. high</p>	3	

			
4	<p>MAIN STAGE ROOFING Design: Dome type roofing Dimension: 60 x 40 ft. / 25 to 30 ft. high</p> 	1	
5	<p>STAGE VINYL - Stage Dimension: 12 x 16 ft. Stage Vinyl for Tech Booth (2ft. and 3ft. high)</p> 	2	
6	<p>AIR COOLERS - 350 Watts power for 60 sqm. Area - Heavy-duty Type - at least or more than 60 Gal / 227 Liters 3-speed powerful airflow, 7,000 cu.m/hr. - at least or more than 60 Gal / 227 Liters 3 sides cooling pad - at least or more than 60 Gal / 227 Liters</p>	6	

	<p>40 Liters water tank capacity</p> <ul style="list-style-type: none"> - Continuous water supply inlet - Auto shut-off water pump with low water alarm - 1-8hrs. timer - With remote controller - Automatic vertical louver - Floor standing with caster wheels 		
7	<p>FRONT OF HOUSE SPEAKERS</p> <ul style="list-style-type: none"> - Frequency Response: 45 Hz ÷ 20000 Hz - Max SPL @ 1m: 133 dB - Horizontal Coverage Angle: 90° - Vertical Coverage Angle: 60° - Compression Driver: 1.4" neo, 4.0" v.c - Woofer: 15" neo, 3.5" v.c - Crossover Frequencies: 650 Hz - Controls: proces., 8 sel. presets - Total Power: 2200 W Peak, 1100 W RMS - High Frequencies: 600 W Peak, 300 W RMS - Low Frequencies: 1600 W Peak, 800 W RMS 	8	
8	<p>DUAL SUBWOOFER</p> <ul style="list-style-type: none"> - Frequency Response: 30 Hz ÷ 120 Hz - Max SPL @ 1m: 137 dB - Woofer: 2 x 18", 4.0" v.c - Crossover Frequencies: Selectable - Controls: Xover, Phase switch, Deep/Punch, Output Delay Setting - Total Power: 4400 W Peak - Low Frequencies: 4400 W Peak 	2	
9	<p>MONITOR SPEAKERS</p> <ul style="list-style-type: none"> - Configuration Passive 2-Way - Enclosure Type Bass-Reflex Floor Monitor - Total Power Capacity 300 W RMS - 600 W Peak - System Impedance 8 Ohms - HF Driver 1 x Horn-Loaded Titanium Tweeter - HF Voice Coil 1" / 2.54 cm - LF Driver 1 x 12" / 305 mm Woofer - Frequency Response 65 Hz to 20 kHz - Maximum SPL 97 dB SPL - Audio I/O 2 x 1/4" TS - Construction Material Carpet, Rubber Feet, Steel Corners, - Wire Mesh Grille, Wood - Dimensions: 22.4 x 16.0 x 13.1" 569.0 x 407.0 x 334.0 mm - Weight: 34.4 lb / 15.6 kg 	12	
10	<p>DIGITAL MIXER</p> <ul style="list-style-type: none"> - Input Processing Channels: 32 Input Channels, 8 Aux Channels, 8 FX Return Channels - Output Processing Channels: 16 - 16 aux buses, 6 matrices, main LRC : 100 - Internal Effects Engines (True Stereo / Mono): 16 	1	

	<ul style="list-style-type: none"> - Internal Show Automation (structured Cues / Snippets): 500 / 100 - Internal Total Recall Scenes (incl. Preamplifiers and Faders): 100 - Signal Processing: 40-Bit Floating Point - A/D Conversion (8-channel, 96 kHz ready): 114 dB Dynamic Range (A-weighted*) - D/A Conversion (stereo, 96 kHz ready): 120 dB Dynamic Range (A-weighted*) - I/O Latency (Console Input to Output): 0.8 ms - Network Latency (Stage Box In > Console > Stage Box Out): 1.1 ms 		
11	<p>LAPTOP PLAYBACK</p> <ul style="list-style-type: none"> - LED-backlit display with IPS technology; 2560-by-1600 native resolution at 227 pixels per inch with support for millions of colors - 400 nits brightness - Wide color (P3) - True Tone technology - Up to 15 hours wireless web - Up to 18 hours Apple TV app movie playback - Built-in 49.9-watt-hour lithium-polymer battery - 30W USB-C Power Adapter 	2	
12	<p>CABLE WIRE</p> <ul style="list-style-type: none"> - Cable length: 100m Characteristic Impedance (Zo): 85~115Ω (1~250 MHz) - DC. Resistance Capacitance Unbalance: 5% - Pair-to-Ground Capacitance Unbalance: 330 pF/100m Max. - Conductor Resistance: 14.00Ω/100m 20o Max. - Mutual Capacitance: 5.6nF/m Max. - Spark Test: 2.5kV - Nominal Velocity of Propagation (NVP): 69% 	7	
13	<p>WIRELESS MICROPHONE</p> <ul style="list-style-type: none"> - Compatibility: Compatible with other devices with a 3.5mm microphone input - Connectivity: Wireless (Bluetooth) - Microphone Type: Built-in omnidirectional microphone - Audio Quality: High-quality audio transmission with active noise cancellation - Battery Life: Up to 6.5 hours of continuous use on a single charge - Charging: USB-C charging port 	16	
14	<p>MICROPHONE CONDENSER</p> <ul style="list-style-type: none"> - AF Sensitivity: 25 mV/Pa - Frequency Response: 20 Hz - 20 kHz - Dynamic Range: 130 dB - Equivalent Noise Level: 10 dB(A) - Nominal Impedance: ca. 50 Ω - Min. Terminating Impedance: 1000 Ω - Dimensions: 160 x 57 mm (L x D) - Height: 80mm - Length: 260mm 	12	

	<ul style="list-style-type: none"> - Weight: 485g - Width: 120mm 		
15	<p>MICROPHONE</p> <ul style="list-style-type: none"> - Type: Dynamic (moving coil) - Frequency Response: 40 to 15,000 Hz - Polar Pattern: Cardioid - Output Impedance: 310 Ω - Sensitivity: (@ 1 kHz, open circuit voltage), -56.0 dBV/Pa [1] (1.6 mV) - Polarity: Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3 - Net Weight: 0.284 kg (0.625 lbs) - Connector: Three-pin professional audio (XLR), male 	8	
16	<p>MICROPHONE</p> <ul style="list-style-type: none"> - Microphone Type: Dynamic - Polar Pattern: Cardioid - Frequency Response: 50Hz-15kHz - Max SPL: 94dB SPL - Output Impedance: 150 ohms - Sensitivity: -54.5 dBV/Pa (1.88 mV) - Color: Black - Connector: XLR - Dimensions: 6.37" x 2" - Weight: 10.51 oz 	8	
17	<p>DRUM MICS</p> <ul style="list-style-type: none"> - Dimensions: 63 x 41 mm - Weight (g): 125 g - Transducer principle: Dynamic 	1	
18	<p>WIRED MIC</p> <ul style="list-style-type: none"> - Connector Type: 3.5 month jack - Compatible Devices: Amplifier - Polar Pattern: HyperCardioid - Audio Sensitivity: 54.5 dB - Impedance: 300 Ohm 	1	
19	<p>KEYBOARD W/ STAND</p> <ul style="list-style-type: none"> - Versatile table-style keyboard stand - Rugged steel construction - Adjustable width and height to suit different keyboards and playing setups - Adjustable rubber feet for stability on uneven flooring - Foldable design for easy carrying and storage - Adjustable width range: 44-5/8 in./1132 mm to 63-1/4 in./1606 mm - Three height settings: 25-1/4 in./641 mm; 27-7/8 in./709 mm; 30-5/8 in./777 mm - Weight capacity: 154 lb./70 kg 	2	
20	<p>KEY AMPLIFIER</p> <p>Rated Power Output: 320W (160W + 160W) Speakers: 30cm woofer x 2, Horn Tweeter x 2 Controls: CH1, Volume Knob, EFX Button, CH2, Volume Knob, EFX Button, CH3, Volume Knob,</p>	2	

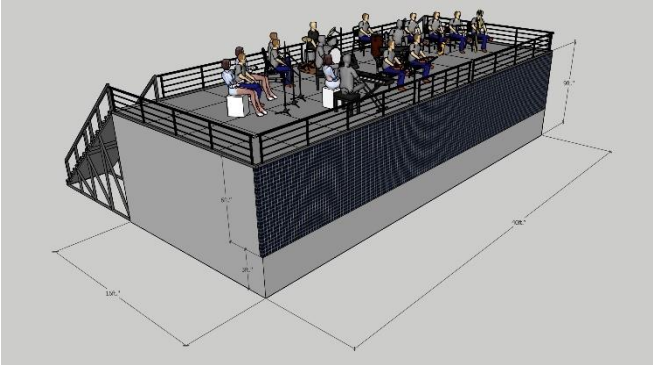
	<p>EFX Button, CH4, Volume Knob, EFX Button, EFX Knob, SPEED Button</p> <p>Indicators: EFX x 2, POWER</p> <p>Connectors: CH1 Input Connector (XLR type), CH1-4 Input (L/MONO, R) Jacks, (1/4" phone type), AUX IN/MONITOR IN: AUX 1 Input (L/MONO, R) Jacks, (1/4" phone type), AUX 2 Input (L/MONO, R) Jacks, (RCA phono type), AUX 3 Input Jacks (Stereo miniature phone type), PHONES Jack (Stereo 1/4" phone type), STEREO LINK OUT (L, R) Jacks, (1/4" phone type), STEREO LINK IN Jack (1/4" phone type), LINE OUT (L, R) Jacks (1/4" phone type), LINE OUT (L, R) Jacks (XLR type), FOOT SW Jack (TRS phone type)</p> <p>Power Supply: AC 117 V, AC 230 V, AC 220 V, AC 240 V (50/60 Hz)</p> <p>Power Consumption: 98 W</p>		
21	<p>HEAD BASS AMPLIFIER</p> <ul style="list-style-type: none"> - 1,000 Watts 4 ohms/600 watts 8 ohms - Onboard compressor w/ variable ratio (1:1–10:1) - Tube-driven balanced XLR output - Stereo Aux input - Removable rack ears - Switching power supply - 15.5 lb (7.03 kg) 	1	
22	<p>BASS AMPLIFIER</p> <ul style="list-style-type: none"> - 1,000 Watts 4 ohms/600 watts 8 ohms - Onboard compressor w/ variable ratio (1:1–10:1) - Tube-driven balanced XLR output - Stereo Aux input - Removable rack ears - Switching power supply - 15.5 lb (7.03 kg) 	1	
23	<p>DRUM SET</p> <ul style="list-style-type: none"> - Configuration: Drum Set with Hardware and Cymbals - Number of Drums: 5 - Snare (Depth x Diameter): 5.5" x 14" - Mounted Toms (Depth x Diameter): 8" x 10", 9" x 12" - Floor Toms (Depth x Diameter): 16"x 16" - Bass Drums (Depth x Diameter): 16" x 22" - Shell Material: 6-ply Poplar - Cymbals: 16" Crash/Ride, 15" Hi-hat - Stands: Cymbal Stand, Hi-hat stand, Snare stand, 2 x Rack Tom holders - Drum Pedal: Kick Pedal - Throne: Drum Throne 	1	
24	<p>MICROPHONE STAND</p> <ul style="list-style-type: none"> - Product type: Stands and Tripods - Type: Microphone Stands - Tubing material: Steel - Tubing colour: Black 	1	

	<ul style="list-style-type: none"> - Tubing surface: Powder coated - Min. height: 1030 mm - Max. height: 1690 mm - Transport length: 1050 mm - Height adjustment: Yes - Base type: Tripod - Base material: Zinc die-cast - Boom model: 2-point adjustment - Boom length: 880 mm - Interchangeable rings: 1 x 25 mm, 2 x 15 mm, 4 x 20 mm - Weight: 2,7 kg 		
25	<p>MUSIC STAND</p> <ul style="list-style-type: none"> - Lightweight yet durable all-purpose stand that provides quiet, rattle-free operation - Desk Dimensions: 20" x 13-1/2" (508 x 343 mm) desk - Height Adjustability: 25" to 49" (635 to 1143 mm), desk lip to floor - Weight: 4.9 lb (2.2 kg) - Desk and Base material: High strength, engineering grade polycarbonate is super strong yet lightweight 	1	
26	<p>SIGNAL CABLES</p> <ul style="list-style-type: none"> - Capacitance between contacts: ≤ 4 pF. - Contact resistance: ≤ 3 mΩ - Dielectric strength: 1,5 kVdc. - Insulation resistance: > 10 GΩ (initial) - Rated current per contact: 16 A. - Rated voltage: < 50 V. 	1	
27	<p>LED PAR LIGHT</p> <ul style="list-style-type: none"> - Voltage: AC 240V(the voltage can order) - Frequency: 50-60 Hz - Power: 120W - IP Rate: IP20 - Lamp: 36pcsX3W LEDs (RED: 12PCS, GREEN: 12PCS, - Beam Angle: 15, 25, 45 degree (selectable) - Control: DMX512, Master/slave, auto-running - Control Channel: 6CH 	24	
28	<p>RGB LED PAR</p> <ul style="list-style-type: none"> - Input voltage: 90-240V AC, 50/60Hz - Light source: 54pcs 3W RGBW 4in1 LEDs - Power Consumption: 180W - Led Life: Minimum 80000hrs - Control Modes: DMX512, Master-slave, Stand-Alone, Sound-Control - DMX Channel: 4/8CHs - Automatic model (by function button): color change, color strobe, color dimmer,color gradual change/color jump change - Operation menu: 4 digit digital LED display 	20	
29	AUTOLIGHTS	18	

	<ul style="list-style-type: none"> - Heavy Duty Flood Lamp - High Brightness 3 Watt LEDs - Colour Temperature 6000K - Heavy Duty Aluminium Base - IP67 100% Water Proof - Voltage Range 9-32 Volt - 107mm x 128mm x 45mm 		
30	<p>MAC AURA LIGHTS</p> <ul style="list-style-type: none"> - Beam color mixing: RGBW - Aura (secondary lens array illumination) color mixing: RGB - Beam color temperature control: CTO, variable 10 000 - 2500 K - Beam and aura electronic 'color wheel' effect: 33 LEE-referenced colors plus white, variable-speed color-wheel rotation effect and random color - Beam and aura independent shutter effects: Electronic, with regular and random pulse, burst and strobe effects - Pre-programmed effects: Range of synchronized and independent beam and aura FX, different FX can be combined - Electronic dimming: Independent beam and aura, four dimming curve options - Pan: 540° - Tilt: 232° - Pan and tilt speed: Adjustable via onboard control panel and DMX 	20	
31	<p>ATOMIC STROBE LIGHTS</p> <ul style="list-style-type: none"> - AC power: 100-240 V AC nominal, 50/60 Hz - Power supply unit: Auto-ranging electronic switch mode - Typical half-cycle RMS inrush current at 230 V, 50 Hz: 17.7 A - Typical earth-leakage current: 0.18 mA - Power Factor: 0.98 @ 100 V , 0.96 @ 120 V , 0.89 @ 208 V , 0.88 @ 230 V , 0.87 @ 240 V - Max current draw: 8.4 A @ 100 V / 120 V , 3.9 A @ 208 V / 230 V / 240 V - Typical current draw: 6.8 A @ 100 V , 5.7 A @ 120 V , 3.5 A @ 208 V , 3.2 A @ 230 V , 3.1 A @ 240 V * 	16	
32	<p>SHARPY LIGHTS</p> <ul style="list-style-type: none"> - Discharge lamp with a short arc burner in a reflector system Type: 190W+ (LAM002) - STANDARD - Output Lamp power: 189W - Colour temperature: 8,000 K - Average life: 2,000 h. The Osram lamp features 3000hrs* (lamp + power supplier) 	30	
33	<p>BLINDER</p> <ul style="list-style-type: none"> - Power Consumption: 400w - Input Voltage: AC 100V ~ 260V, 50Hz - Beam Angle: 30° 	4	

	<ul style="list-style-type: none"> - LED COB Based Source - LED Easy View Display - Manual Mode Operation - Sound Active Mode Control - Master Slave Mode - Working Temperature +45° ~ -30° - 11.7KHz Refresh Rate 		
34	<p>FOLLOWSPOT</p> <p>Light Sources</p> <ul style="list-style-type: none"> - LED: 1pc 350W brightness LED lamp - Lifespan: more than 50000hours - Color temperature: 8000-8500K <p>Optics</p> <ul style="list-style-type: none"> - Color wheel: 5 colors + white - Color temperature wheel: 3200K +4500K +5600K - Beam angle: 10degree - Focus: manual - Dimmer: 0-100% linear dimmer - Strobe: 1-20 times/second <p>Light Output</p> <ul style="list-style-type: none"> - Luminous flux: 20000-24000 Lm - Optimal projection distance: 60-100m <p>Control</p> <ul style="list-style-type: none"> - Control mode: manual - Control panel: button and fader <p>Power Supply</p> <ul style="list-style-type: none"> - Related voltage: AC100V-240V, 50/60Hz - Related power: 450W 	1	
35	<p>SPLITTERS</p> <ul style="list-style-type: none"> - Connector Type: Quick Connect - Connector Gender: Male-to-Female - Number of Pins: 2 - Indoor/Outdoor Usage: Indoor, Outdoor - Wattage: 9w - Voltage: 110v 	2	
36	<p>LIGHTING CONTROLLER</p> <ul style="list-style-type: none"> - Motorised touch-sensitive Penny & Giles faders – designer fader cap - 11-segment RGB LED level indicator alongside each fader - Softkey menu touchscreen - Full custom backlit QWERTY keyboard in drawer, keys identical to program panel - T-Bar with 5 control buttons and a colour LCD status screen - Supports two additional HDMI 1920*1080 touchscreens - Optical rotary touch sensitive playback encoders with push function - designer knob 	1	

	- 5 custom RGB backlit optical attribute encoders		
37	LED WALL MAIN STAGE - Range of pixel pitches from 0.9mm to 2.5mm - 24/7 operation - 800 nits - 100,000 hours (typical) - Simple, concealed cable design - Redundant on-board power - Full-front access for easy installation and service - ADA-compliant direct-mount system - Lower power consumption	3	
38	LED WALL SIDE STAGE - Range of pixel pitches from 0.9mm to 2.5mm - 24/7 operation - 800 nits - 100,000 hours (typical) - Simple, concealed cable design - Redundant on-board power - Full-front access for easy installation and service - ADA-compliant direct-mount system - Lower power consumption	2	
39	SWITCHER - 3G/HD-SDI at 10-Bit - 40x3G-SDI Inputs, 24x3G-SDI Outputs - 16-Multiview Monitoring Windows - Webcam Output via USB Type-C - Frame Rate/Format Converter per Input - 156-Channel Audio Mixer - 16x Upstream, 4x Downstream Keyer - Chroma/Luma Keyers - Color/Pattern Generators - Hardware or Software Mac/Windows Control	1	
40	VIDEO PROCESSOR Electrical Specifications - Power connector: 100-240V~, 50/60Hz. 1.5A - Power consumption: 25 W Operating Environment - Temperature: -20°C ~ +60°C - Humidity: 20% RH to 90% RH, non-condensing - Storage Humidity: 10% RH to 95% RH, non-condensing Physical Specifications - Dimensions: 482.6 mm x 250.0 mm x 50.0 mm - Net weight: 2.55 kg - Gross weight: 5.6 kg - Noise Level: (typical at 25°C/77°F) 38 dB (A)	4	
41	MUSICIAN PLATFORM - Dimension: 40 x 16 x 9ft. high - Design: w/ hand rail and 2 sets of stairs at the back	1	

			
42	<p>WOODEN / PLASTIC FLOOR (STAGE) - Dimension: 60 x 20 ft.</p>	1	
	<p>General Terms and Conditions: (Installation and dismantling at the venue must be included)</p> <p>Event Date: June 30, 2024</p> <p>Location: Kalayaan Grounds, Malacañang, San Miguel, Manila</p> <ul style="list-style-type: none"> • Offered equipment must be of equal or better quality • Compatibility of all equipment must be ensured by the supplier • List of items provided must be submitted prior to set-up to the PCO-OUBP • The dates may change 4 weeks prior to or 4 weeks after the indicated dates • Price quotations shall be inclusive of manpower, food for staff approximately 150 pax, delivery fee(s), laptops, laptop playback installation fee, and overhead cost for staff in-charges of set-up, dismantling fee and other charges [VAT, etc.].. • Price shall be inclusive of all costs and applicable taxes (i.e., bank charges, VAT, other charges, delivery charges, etc.). • The supplier must have vast experience and knowledge in events such as broadcast type setups and high-profile events. • Payment will be on a NO DOWN PAYMENT, SEND BILL ARRANGEMENT. Full payment will be made after the completion of the event or delivery of the items/service. • Price validity shall be for a period of six (6) months. 		