

Section VII. Technical Specifications

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

DESIGN, SUPPLY, DELIVERY, INSTALLATION, SUPERVISION, INTEGRATION, TRAINING, TESTING AND COMMISSIONING OF LIGHTING FACILITIES FOR THE MULTI-PURPOSE STUDIO FOR THE VISAYAS MEDIA HUB (PROCUREMENT / CONTRACT NOS. 2023-PCO-075)				
Item No.	Item Description <i>Bidders shall comply with the following minimum Technical Specifications:</i>	QTY	Brand Offered	Statement of Compliance
1.0	450W Professional Flat Panel LED Light Panel Surface Area: Approximately 25 x 12.0” 115° Beam Spread, Rail Mount Adapter Color Temperature from 2800-10,000K Full Gamut Color Mixing Hue and Saturation Control Full Minus to Full Plus green CRI: 95, TLCI: 90 0-100% Dimming, DMX Control Multi-Voltage AC, Optional Battery Power AC, Optional Battery Power <i>or its equivalent or better</i>	20 units		
2.0	600W Professional Flat Panel LED Light For Studio & Film/TV Production Output: Approximately 17,500 Lux at at approximately 3.5’ 17,520 (5600K) 2000 to 10,000K; RGB Color Control AC/DC Operation CRI 95 TLCI 95 SS1 84 CQS 95 <i>or its equivalent or better</i>	20 units		
3.0	1600W COB LED light 1200W Daylight Bowens mount point source LED 5600K Daylight CCT	20 units		

	<p>Optimized Output with 3 Hyper Reflectors: Narrow (15°), Medium (30°), Wide (45°) CRI and TLCI ≥95, CQS≥96 Weather Resistant: Dust and water resistant Supports dual 48V/15A DC inputs (3-pin XLR), including battery power stations and block batteries Half power output with one 48V/15A power source Full power output with two 48V/15A power sources</p> <p><i>or its equivalent or better</i></p>			
4.0	<p>600W COB LED light Approximately 98,500 Lux at approximately 3.3' with the Hyper Reflector Approximately 8,500+ Lux at Approximately 9.8' with the Hyper Reflector Approximately 29,300+ Lux at Approximately 9.8' with the F10 Fresnel Comparable to a 1200W HMI or Joker 800 CRI: 96, TLCI: 96, SSI (D55): 72 Supports 48 VDC input power at 15A, including battery power stations and block batteries (3-pin XLR)</p> <p><i>or its equivalent or better</i></p>	20 units		
5.0	<p>300W COB LED light Output: Approximately 45,400 Lux @ Approximately 3.3' with Reflector 2700-6500K CCT AC Power or Optional Battery Station Onboard & App Control CRI 95 TLCI 98 SSI 89 Active Cooling Bowens S Accessory Mount 9 Preset Special Effects Includes Reflector, Power Supply & Cable</p>	20 units		

	<i>or its equivalent or better</i>			
6.0	<p>Tube LED light RGB LED Tube Light Output: Approximately 647 Lux at Approximately 3.3' (5600K) 2700-7500K CCT; RGB Mode Onboard, Wireless, DMX & App Control CRI 97 TLCI 98 TM-30 94 & 101 15 Preset Special Effects Built-In Rechargeable Battery; AC Power T12 or 1/4"-20 Mounting Works with Optional Barndoors & Grid Includes AC Adapter, Mounting Clip & Bag</p> <p><i>or its equivalent or better</i></p>	20 units		
7.0	<p>Lantern Softbox 3-Foot Diameter 1-Stop White Translucent Includes Skirt for Controlling Light Near 360° Beam Angle Built-In Bowens Speed Ring For Hanging Overhead For LEDs or Strobe</p> <p><i>or its equivalent or better</i></p>	40 units		
8.0	<p>Dome modifier Dual-Sided Quick Release Mechanism Hexadecagon Shape with 16 Steel Rods 2 Front Diffusers: 1.5 and 2.5 Stops Removable Inner Diffuser 40° Grid Widely Compatible Bowens Speed Ring Carrying Bag High-Output Reflective Silver Interior</p> <p><i>or its equivalent or better</i></p>	40 units		

9.0	<p>Spotlight Mount light modifier for producing dramatic yet clean beams of light with a high degree of control</p> <p>Bowens Mount Included 26° Lens Dual Drop-In Slots Aluminum Alloy Housing Yoke with Dual Junior/Baby Mount</p> <p><i>or its equivalent or better</i></p>	2 units		
10.0	<p>Lighting system control and monitoring with at least 19" confidence monitor Speaker monitoring</p> <p><i>or its equivalent or better</i></p>	1 lot		
11.0	<p>Installation Materials, Control system Lighting console, connectors & Data Cable</p> <p>Lighting Console, Splitters, Connectors & Data Cables</p> <p>Digital Lighting Console control up to 4096 fixtures, 24 multi-functions faders, 241 playbacks (each with submaster and full cue stacks functionality)</p> <p>240 groups 5 X 240 palettes, (Color Beam, Shape, positive effects, full control of multi-cell fixtures, full manual or automated control of move-on dark DVI -D output for optional external screen multi-touch screen, multi touch interfaces for color and moving lights 7" multi touch screen attached in console with 1 video touch-screen monitor and one video monitor 100-240 VAC. Isolated RDM/ DMX Booster/Splitter Twin 1in 10 output or 2 In X 5 out 5 pins Rack Mounted 1U High 230VAC XLR 5 pins Chassis Mount (Female) XLR 5 pins Chassis Mount (Male) XLR 5 pins Cable Mount (Female) XLR 5 pins Cable Mount (Male) XLR3-100 Data cable for DMX 512 signal cable</p>	1 lot		

	<i>or its equivalent or better</i>			
12.0	Pantograph System Pole Operated Spring Type Pantograph Super Wind-Up Steel Roller Stand-3 section Master Aluminum Stand-4 Sections Operating Pole 4 mtrs length Analog Light Meter Pantograph roller Fixing Bracket for rail pipe Rails <i>or its equivalent or better</i>	1 lot		
13.0	Lighting Grid Battens and Materials BI Pipes Schedule 40 42 mm diameter U Bolt Clamp with nut Round Bar support Welding Rod & Welding Machine <i>or its equivalent or better</i>			
14.0	Installation of Materials Installation Labor & Materials comprises as follows: electrical wires, cables, connectors, circuit breaker, cable trays, mounting support & nuts bolts for installations which includes miscellaneous, step down/step up transformer 230V Primary 3 Phase delta 380V / 400V / 415V secondary 3 phase, 4 wires with neutral and ground, Panel Boxes and Breakers & Data Cable Wall box Panel and exhaust fan <i>or its equivalent or better</i>			
15.0	Lighting Control System Monitoring At least 40 inches Multiviewer monitor industrial grade (Camera and studio program monitoring) with SDI to HDMI converter, At least 19 inches Broadcast Grade Confidence Monitor,			

	Waveform/Vector with Lighting Vector Monitor, Speaker Monitor or its equivalent or better			
16.0	Lighting Accessories Top Rail Curve Top rail Curtain Carriage 2 wheels loading Bracket for M12 Threaded Rod Fixing Bracket for I rail Beam Ceiling Bracket with Eye Hook Rail Clamp Extension Bracket Ceiling Bracket End Stop Alignment Connector Alignment Connector Curve White Fabric Flame Retardant CYC Cloth Black Fabric Flame Retardant CYC Cloth Green Fabric Flame Retardant CYC Cloth or its equivalent or better			
	GENERAL INFORMATION			
1	Compliance with the Terms of Reference (Annex "B")			
2.	Installation Materials, Cables and Wiring Code 1. All items, cables and other installation materials and tools required for the successful installation of the systems and equipment shall be supplied by the system integrator. 2. Cables and connectors shall be of high quality and from respectable manufacturers. Unbranded products shall not be accepted. 3. The winning bidder/system integrator shall submit samples of all the cables and connectors offered together with their specifications for the Procuring Entity's approval before installation.			

	<p>4. The winning bidder/system integrator shall ensure that all the cables are grouped and laid properly and neatly according to the signals being carried. Separate groups shall be formed for power cables, control cables, video cables, low level audio or microphone cables, high level or line level audio cables, intercommunications cables LAN cables.</p> <p>5. All cables, especially those at the racks, shall be arranged in a tidy and orderly manner.</p> <p>6. All cabling and wiring shall have a proper coding system, which will be provided by PCO to standardize the cable color coding in all PCO stations nationwide.</p> <p>7. A properly and correctly documented cable schedule shall be supplied on a standard software package after the completion of the installation. Two sets of the final cable schedule shall be supplied in a properly bound volume.</p> <p>8. All installation materials left after completing the project will remain as PCO property and shall not be brought out by the winning bidder.</p> <p>9. The winning bidder shall closely supervise the installation to ensure that all cabling is arranged.</p>			
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Conforme:

Full Name and Signature of Bidder/Authorized Rep. :

Designation : _____

Name of Company : _____