



WORK ORDER

Procurement Unit
Telefax No.: 045-982-4630

DELIVERY DUE DATE: 4/15/2022

Supplier : **AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION**
Address : **ACC Corporate Center, 45 7th Ave, Cubao, Quezon City**
TIN: **230-333-819-000 VAT Reg.**
Tel. No. : **0910-215-2455**

Work Order No.: **2022-010**
Date : **2/9/2022**
JO No. : **2021-145**
Date : **12/17/2021**
Mode of Procurement: **Small Value**
Mode of Payment: **N/30**

SIR/MADAM:

You are hereby advised to accomplish/deliver the following job/work within **30 calendar days** upon receipt of the Work Order as per quotation submitted by you duly approved by the TSU Committee on Bids and Awards and the President of the Agency

QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1	lot	<p>I.T. PROJECT: SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND STUDIO SOLUTION SERVICES</p> <p>For Live Streaming and Recording for TSU</p> <p>Technical Specification:</p> <p>1 unit of Media Recorder Box</p> <p>Support 2 HDMI inputs for live streaming & recording, Small Size with 7-inch touch screen, easy to carry and demonstrate, Recording output format for MP4, Full/PIP/POP layouts and with special transition effects, Support TS/RTMP live streaming protocol, PGM review and can be output to big screen to watch, Friendly Touch Screen and able to combine mouse to control. Auto or manually switch layout (A/B/PIP/POP) while recording, System will auto display the single signal, or it can be selected to 2 inputs of alternative layouts of PIP or POP, Auto save & upload the recorded files to public platforms as Youtube, Wowza, Ustream, etc. With smart switch function, system will auto display the sub-input while the main signal is blank and auto switch. nto PGM mode while the inputs are dynamic</p> <p>Other setting:</p> <p>Brightness/Contrast/Color/Saturation/Resolution/Parameters/ Time/Logo/IP setting, Suitable for remote conference, training, learning, seminar, medical use and so on</p>	971,500.00	971,500.00

COMMISSIONER ON AUDIT, TSU
RECEIVED
By: *SW* Date: **MAR 16 2022**

(Please read carefully at the back hereof)

Charge to:
ROA No. :

CONFORME & RECEIVE COPY
[Signature]
BERNARDO CANO

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION

Firm/Dealer/Supplier/Contractor

March 16, 2022

Date

Bank Account Name: **AVLS All Visual & Lighst Systems Corporation**

Bank Account Number: **0000-1010-7118**

Bank Name: **Banco De Oro**

Bank Address: **Harvard, Cubao, Quezon City**

wh noted 3/18/2022

FUNDS AVAILABLE:

[Signature]
JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

[Signature]
DR. ARMEE N. ROSEL

VP, Research and Extension Services

Authorized Official

Form No. : TSU-PRO-SF 10

Revision No.: 01

Effectivity Date: March 01, 2011

Page 1 of 12



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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>Detailed Specifications:</p> <p>Monitor: 7" touch screen, I/O: USB 3.0, RJ45, Internal Memory: 64GB, Resolution: 1080p x 720p, Goding Format: MP4 (H.264/AAC) Operating System: Linux Input: HDMI X2, Line In, Mic, Output: HDMI X1, Line out Power: DC 12V</p> <p>1 unit 75 inches Interactive Display</p> <p>OPS PC module, Processor: Intel Core i5, 8th Gen, Graphics: UHD Graphic, Support 4k@60Hz Refresh Rate, RAM/Memory: 4GB, Storage/Hard Disc: 128GB SSD, OS: Windows IOT Genuine License, Thinker View Camera, Full HD Camera with 110 Degree FOV, and built-in mic Array.</p> <p>1 unit of Floor Mount Trolley</p> <p>Universal in design to fit 72" to 98" displays The Floor mount can hold the weight up to 130 kg Integrated cable management system, Adds a top tray and adjustable middle ledge to carry A/V equipment VESA compliant, Colours available: - Black Detailed Specifications: Max.load 287 lbs (130 kg), VC Camera Mount: Yes, VESA 600x400 to 900x600, Display Sizes 72" to 98", Material: Steel, Product Weight 38 kg</p>		

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JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

Dr. Armee N. Rosel
DR. ARMEE N. ROSEL

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		1 unit of Tracking Camera Superb High-definition Image, Leading Focus Technology, Low Noise and High SNR, Audio Input Interface, Wide-range, Quiet and Quick Pan/Tilt Mechanism, Multiple Video Compression, Multiple Network Protocol, Low-power Sleep Function Detailed Specifications: Sensor: 1/2.8-inch-high quality HD CMOS Sensor Effective Pixels: 2.07 megapixel; 16:9, Video Signals: 1080P 60/50/30/25/59.94/29.97, 1080i 60/50/59.94, 720P 60/50/30/25/59.94/29.97, Optical Zoom: 20x, Optical Zoom, f=4.7~94mm, View angle: 2.9 (tele), 55.4(wide), Digital Zoom: x10, Digital Noise Reduction 2D&3D digital noise reduction, Iris: F1.6~F3.5, Minimum Illumination: 0.5Lux (F2.8, AGC ON), White Balance: Manual/Auto/One Push/3000K/4000K/5000K/6500K Focus: Auto / Manual/ One Push, Electronic Shutter: Auto/Manual, WDR: OFF/Dynamic Range adjustment, Video Adjustment: Brightness, Color, Saturation, Contrast, Sharpness, Gamma Curve Panoramic Camera Sensor: 1/2.8inch high quality HD CMOS Sensor, Effective Pixels: 2.1 megapixel, Lens: Manual Focus 6mm Lens View Angle: 122/98/73		

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		Input/Output Interface and Protocols Video Interface: SDI LAN, Network Interface: 100M network interface (10/100BASE-TX), Video Compress Format: H.264, H.265, Control Protocol: Visca/Pelco-D/Pelco-P Baud Rate: 115200/9600/4800/2400bps Network Protocol RTSP, RTMP, ONVIF, GB/T28181 Audio Input Interface: Dual audio channel 3.5mm linear input, Video Stream: Dual Stream Output, Control Signal Interface: RS232 / RS485, Audio Compress Format: AAC, MP3, PCM, Power Interface: HEC3800 Power Jacket (DC12V) Pan Tilt Parameter Pan Rotation: -170 ~ +170, Pan Control Panel: 0.1 ~ 100/s Preset Speed: Pan: 100/s, Tilt: 45/s, Preset Number "User can set up to 255 presets (remoter 10 presets) Other Parameters Supply Adapter: Input AC110V-AC220V to DC12V/2.5A Input Voltage: Output DC12V+10%, Consumption: 18W (Max), Input Current: 1.5A (Max), Application: Indoor Remote Maintenance: Remote Update, Remote Reboot, Remote Reset, Accessory: 12V/2.5A Power Supply Adapter, RS232 control cable, Remote Controller, User Manual, Warranty Card 1 unit Tripod System Kit Two-stage aluminum tripod with 60mm bowl Supports loads up to 11 lb Fixed pan/tilt drag with independent pan/tilt locks Sliding quick release plate Pan handle attaches to either side of head 28.9 to 61" Height range Fixed, non-removable mid-level spreader Independent leg adjustment using twist-lock levers Rubber feet with enclosed metal spikes for use on a variety of surfaces Head-mounted bubble level 30.5" Folded length Padded carrying case		

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AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
 Firm/Dealer/Supplier/Contractor
 March 16, 2022
 Date
 Bank Account Name: AVLS All Visual & Lights Systems Corporation
 Bank Account Number: 0000-1010-7118
 Bank Name: Banco De Oro
 Bank Address: Harvard, Cubao, Quezon City

FUNDS AVAILABLE: *[Signature]*
JASPER A. YAUDER, CPA
 Budget Officer

APPROVED: *[Signature]*
DR. ARMEE N. ROSEL
 VP, Research and Extension Services
 Authorized Official



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		1 unit Keyboard Controller Features: <ul style="list-style-type: none"> Ergonomic design with 4D stick for pan/tilt/zoom/focus control. Auto backlight keys & High brightness OLED display. Self-defined keys as shortcut. Password protection. Support multi-baud rate and protocols. Support up to 256 devices. Batch program cameras in the systems. Compact design with portable feature. Detailed Specifications <ul style="list-style-type: none"> Comm. Interface : RS-485, RS-232 Protocol : PELCO-D, PELCO-P, VISCA Baud Rate(bps) : 2400, 4800, 9600, 19200, 38400 Address : 0 ~ 255, 0 ~ 7 (VISCA) Joystick : 4-axis (Left/Right, Up /Down, Zoom In/ Zoom Out, Focus Near / Focus Far) Display : OLED Power : DC12V/ 1A Power Consumption : <2W 		
		1 unit of HDMI Capture Box Max input resolution 1920x1200, with USB, 1HDMI, embedded audio		
		1 unit of High-Performance Laptop for Livestreaming Processor: 11th Generation Intel® Core™ i7 Operating System: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS Media Kit CD Included, DVD or Flashdrive, or document proof of OS genuity) Graphics: NVIDIA® GeForce RTX™ 3060 6GB GDDR6 Display: 15.6-inch FHD (1920 x 1080) 120Hz 250 nits WVA Anti-Glare LED Backlit Narrow Border Display Memory: 16GB, 8GBx2, DDR4, 3200MHz Hard Drive: 512GB M.2 PCIe NVMe Solid State Drive Processor: 11th Generation Intel® Core™ i7 Operating System: Pre-loaded OEM Windows 10 Pro 64bit English ASUS TUF FX506U-HN249T (ACER Nitro was phased-out)		

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Budget Officer

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VP, Research and Extension Services
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		(Genuine Microsoft OS Media Kit CD Included, DVD or Flashdrive, or document proof of OS genuity) Graphics: NVIDIA® GeForce RTX™ 3060 6GB GDDR6 Display: 15.6-inch FHD (1920 x 1080) 120Hz 250 nits WVA Anti-Glare LED Backlit Narrow Border Display Memory: 16GB, 8GBx2, DDR4, 3200MHz Hard Drive: 512GB M.2 PCIe NVMe Solid State Drive Keyboard: US English Qwerty 4-Zone RGB Backlit Keyboard with Numeric Keypad and G-Key Mouse: Precision Touchpad Ports: 2 SuperSpeed USB 3.2 1 SuperSpeed USB 3.2 with PowerShare 1 Type-C Thunderbolt™ 4 port with DisplayPort alt mode 1 HDMI 1 Power In 1 RJ45 1 Headphones/mic Camera: HD RGB camera with digital-array microphones in camera assembly Audio and Speakers :1 headset (headphone and microphone combo) port Stereo speakers with Realtek ALC3254, 2 W x 2.5 W Dual-array microphones Wireless: Intel® Wi-Fi 6 AX201 (2x2) Wi-Fi + Bluetooth 5.2 Primary Battery 6-cell Smart lithium-ion, 86 WHr w/ 3 years on-site repair / warranty on all labor and parts by an authorized technical support.		

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VP, Research and Extension Services
Authorized Official



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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>1 unit of 5-port Gigabit Switch</p> <p>Device Interfaces: 5 X 10/100/1000BASE-T ports Standards: • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE) Media Interface Exchange: Auto MDI/MDIX adjustment for all ports Transmission Method: Store-and-forward Data Transfer Rates: Ethernet: • 10 Mbps (half-duplex) • 20 Mbps (full-duplex) • Fast Ethernet: • 100 Mbps (half-duplex) • 200 Mbps (full-duplex) • Gigabit Ethernet: • 2000 Mbps (full-duplex)</p> <p>1 unit of Wireless Presenter System with Lavalier Microphone</p> <p>Detailed Specifications: Bodypack Transmitter, Audio Input Level : Max = -16 dBV maximum, min (0 db) = +10dBV maximum, Gain Adjustment Range : 26 dB, Input Impedance : 1 MΩ RF Transmitter Output : 10 mW, typical, Housing : Molded ABS, Power Requirements : 2 LR6 AA batteries, 1.5 V, alkaline, Battery Life : up to 14 hours (alkaline) Wireless Receiver, Output Impedance, XLR Connector : 200 Ω, 6.35 mm (1/4") connector : 50 Ω Audio Output Level XLR Connector : -27 dBV (into 100 kΩ load), 6.35 mm (1/4") : -13 dBV (into 100 kΩ load), RF Sensitivity : -105 dBm, for 12 dB SINAD, typical, Image Rejection : >50 dB, typical, Housing : Molded ABS, Power Requirements : 12-15 V DC @ 235 mA (BLX88, 320 mA), supplied by external power supply, with Lavalier Microphone</p>		

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JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

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VP, Research and Extension Services

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>3 sets of Dimmable Bi-Color Light LED Panel and Stand Lighting Kit</p> <ul style="list-style-type: none"> • Dimmable Bi-color Light Panel: With 330 White and 330 Yellow LED long lasting bulbs, back with 2 control knobs to adjust brightness (0%-100%), 3200-5600K color temperature, the light panel can satisfy your various needs of lighting effects, more realistic to show the color of shooting objects. • U-mount Bracket & Adjustable Light Stand : U-mount bracket enables the photographers to adjust the lighting angle according to the shooting environment. Comes with an extensible light stand, folded height is about 49.5cm/19.5in, and max. height is about 200cm/78.7in, with knob to lock the height you desired, very convenient to use. • 2 Types of Power Supply : Power can be supplied through AC adapter or 2 lithium batteries at the video light to use, support NP-F550/F970/F750 li-ion batteries. (Batteries are not included.) • Premium Material & Multi-use: Made of excellent quality aluminum alloy showing simple elegant appearance; Can be placed directly on the light stand, ground or desk, providing multiple shooting solutions, more convenient for your creation work. • Useful Accessories: Comes with a white diffuser to soften the harsh light; A zippered carrying bag makes it easy to carry and store the light and accessories. <p>Detailed Specifications</p>		

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		<p>LED Light Main Material: Aluminum Alloy, Plug: US/EU/UK/JP(Optional), 100-240V 50/60Hz Voltage: DC 12V-15V, LED Beads: 660 Pieces (330 White+330 Yellow), Power: 40W, Lumen: 4260, Adjustable Brightness: 0%-100%, Color Temperature: 3200-5600K, Color Rendering Index: ≥85%</p> <p>Light Stand Color: Black, Main Material: Aluminum Alloy, Folded Height: 49.5cm / 19.5in, Maximum Height: 200cm / 78.7in, Tripod Weight: 1111g / 39.2oz 1 unit of 25ft HDMI Cable</p> <p>High-Speed HDMI Cable with Ethernet (Camera to AV Mixer/ Media Box)</p> <p>Technical Specifications Video: Max Data Rate for 25-35ft (7.6-10.7m) : 10.2 Gbps (3.4Gbps per channel) Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC, ARC and ETH</p> <p>Audio Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, DVD Audio, SA-CD PHYSICAL HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector</p>		

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Address : **ACC Corporate Center, 45 7th Ave. Cubao, Quezon City**
TIN: **230-333-819-000 VAT Reg.**
Tel. No. : **0910-215-2455**

Work Order No.: **2022-010**
Date : **2/9/2022**
JO No. : **2021-145**
Date : **12/17/2021**
Mode of Procurement: **Small Value**
Mode of Payment: **N/30**

SIR/MADAM:

You are hereby advised to accomplish/deliver the following job/work within **30 calendar days** upon receipt of the Work Order as per quotation submitted by you duly approved by the TSU Committee on Bids and Awards and the President of the Agency

QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>CONDUCTORS Material: Bare Copper 3-35ft (.9-10.7m) lengths: 26AWG (7/0.160) SCREENING Type: Triple shielding JACKET Material: PVC Color: Black 1 unit of 35ft HDMI Cable</p> <p>High-Speed HDMI Cable with Ethernet (Interactive Display to AV Mixer / Media Box Technical Specifications: Video: Max Data Rate for 25-35ft (7.6-10.7m): 10.2 Gbps (3.4Gbps per channel) Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC, ARC and ETH Audio Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, DVD Audio, SA-CD PHYSICAL HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector</p> <p>CONDUCTORS Material: Bare Copper 3-35ft (.9-10.7m) lengths: 26AWG (7/0.160) SCREENING Type: Triple shielding JACKET Material: PVC Color: Black</p>		

COMMISSION ON AUDIT - TSU
RECEIVED
BY: SJ DATE: **MAR 16 2022**

Charge to: _____ (Please read carefully at the back hereof)

ROA No. : _____

CONFORME & RECEIVE COPY:

Bernardo Cano
BERNARDO CANO

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION

Firm/Dealer/Supplier/Contractor

March 16, 2022

Date

Bank Account Name: AVLS All Visual & Lights Systems Corporation

Bank Account Number: 0000-1010-7118

Bank Name: Banco De Oro

Bank Address: Harvard, Cubao, Quezon City

FUNDS AVAILABLE:

Jasper A. Yauder
JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

Dr. Armee N. Rosel
DR. ARMEE N. ROSEL

VP, Research and Extension Services

Authorized Official

Form No. : TSU-PRO-SF 10

Revision No. : 01

Effectivity Date: March 01, 201

Page 10 of 12



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier : **AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION**
Address : ACC Corporate Center, 45 7th Ave, Cubao, Quezon City
TIN: 230-333-819-000 VAT Reg.
Tel. No. : 0910-215-2455

Work Order No.: 2022-010
Date : 2/9/2022
JO No. : 2021-145
Date : 12/17/2021
Mode of Procurement: Small Value
Mode of Payment: N/30

SIR/MADAM:

You are hereby advised to accomplish/deliver the following job/work within 30 calendar days upon receipt of the Work Order as per quotation submitted by you duly approved by the TSU Committee on Bids and Awards and the President of the Agency

QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>1 unit of 3ft HDMI Cable High-Speed HDMI Cable (AV Mixer / Media box to HDMI Capture Box) Video: Max Resolution for 3-20ft (.9-6.1m) lengths: 4K@60Hz (4:4:4), Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC, ARC and ETH Audio Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, DVD Audio, SA-CD PHYSICAL HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector CONDUCTORS Material: Bare Copper 3-35ft (.9-10.7m) lengths: 26AWG (7/0.160) SCREENING Type: Triple shielding JACKET Material: PVC Color: Black</p> <p>1 unit of Background Cloth for Photography Material: cotton muslin harmonious background, wear-resistant, wrinkle resistance with Clamps and mounting accessories. Dimensions: 3m x6m Color: Black</p>		

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MAR 16 2022
By: 99 Date: _____ Time: _____

(Please read carefully at the back hereof)

Charge to:
ROA No. :
CONFORME & RECEIVE COPY:
BERNARDO CANO
AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
Firm/Dealer/Supplier/Contractor
March 16, 2022
Date
Bank Account Name: AVLS All Visual & Lights Systems Corporation
Bank Account Number: 0000-1010-7118
Bank Name: Banco De Oro
Bank Address: Harvard, Cubao, Quezon City

FUNDS AVAILABLE:

JASPER A. YAUDER, CPA
Budget Officer

APPROVED:

DR. ARMEE N. ROSEL
VP, Research and Extension Services
Authorized Official

Form No. : TSU-PRO-SF 10

Revision No. : 01

Effectivity Date: March 01, 2011

Page 11 of 12



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier :	<u>AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION</u>	Work Order No.:	<u>2022-010</u>
Address :	<u>ACC Corporate Center, 45 7th Ave, Cubao, Quezon City</u>	Date :	<u>2/9/2022</u>
TIN:	<u>230-333-819-000 VAT Reg.</u>	JO No. :	<u>2021-145</u>
Tel. No. :	<u>0910-215-2455</u>	Date :	<u>12/17/2021</u>
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		Additional Requirements <ul style="list-style-type: none"> • Provide user training to end-users for each equipment operation and installation. • Provide warranty for all the equipment to be delivered on all labor or parts, on-site repair, or hardware replacement. • Installation and setup of included items in the project. • Conduct testing prior to project acceptance • Conduct of a kick-off meeting to discuss the project implementation plan. <p>*****</p>		

COMMISSION ON AUDIT - TSU
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MAR 16 2022

(Please read carefully at the back hereof)

Charge to:

ROA No.: 00-102101-22-02-0002
CONFORME & RECEIVE COPY:

Bernardo Cano
BERNARDO CANO

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION

Firm/Dealer/Supplier/Contractor

March 16, 2022

Date

Bank Account Name: AVLS All Visual & Lights Systems Corporation

Bank Account Number: 0000-1010-7118

Bank Name: Banco De Oro

Bank Address: Harvard, Cubao, Quezon City

FUNDS AVAILABLE:

Jasper A. Yauder
JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

Dr. Armee N. Rosel
DR. ARMEE N. ROSEL

VP, Research and Extension Services

Authorized Official

Form No. : TSU-PRO-SF 10

Revision No.: 01

Effectivity Date: March 01, 2017

Page 12 of 12



WORK ORDER

Procurement Unit
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
1	lot	<p>I.T. PROJECT: SUPPLY, DELIVERY, INSTALLATION, COMMISSIONING AND STUDIO SOLUTION SERVICES</p> <p>For Live Streaming and Recording for TSU</p> <p>Technical Specification:</p> <p>1 unit of Media Recorder Box</p> <p>Support 2 HDMI inputs for live streaming & recording, Small Size with 7-inch touch screen, easy to carry and demonstrate, Recording output format for MP4, Full/PIP/POP layouts and with special transition effects, Support TS/RTMP live streaming protocol, PGM review and can be output to big screen to watch, Friendly Touch Screen and able to combine mouse to control. Auto or manually switch layout (A/B/PIP/POP) while recording. System will auto display the single signal, or it can be selected to 2 inputs of alternative layouts of PIP or POP, Auto save & upload the recorded files to public platforms as Youtube, Wowza, Ustream, etc. With smart switch function, system will auto display the sub-input while the main signal is blank and auto switch. nto PGM mode while the inputs are dynamic</p> <p>Other setting:</p> <p>Brighthness/Contrast/Color/Saturation/Resolution/Parameters/ Time/Logo/IP setting, Suitable for remote conference, training, learning, seminar, medical use and so on</p>	971,500.00	971,500.00

COMMISSIONER ON AUDIT - TSU
RECEIVED
BY: *[Signature]* Date: **MAR 16 2022**

(Please read carefully at the back hereof)

Charge to:
ROA No.: **06-1021101-22-02-0002**
CONFORME & RECEIVE COPY:

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
Firm/Dealer/Supplier/Contractor
Date _____
Bank Account Name: _____
Bank Account Number: _____
Bank Name: _____
Bank Address: _____

FUNDS AVAILABLE:
[Signature]
JASPER A. YAUDER, CPA
Budget Officer

APPROVED:
[Signature]
DR. ARMEE N. ROSEL
VP, Research and Extension Services
Authorized Official



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier :	<u>AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION</u>	Work Order No.:	<u>2022-010</u>
Address :	<u>ACC Corporate Center, 45 7th Ave, Cubao, Quezon City</u>	Date :	<u>2/9/2022</u>
TIN:	<u>230-333-819-000 VAT Reg.</u>	JO No. :	<u>2021-145</u>
Tel. No. :	<u>0910-215-2455</u>	Date :	<u>12/17/2021</u>
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>Detailed Specifications:</p> <p>Monitor: 7" touch screen, I/O: USB 3.0, RJ45, Internal Memory: 64GB, Resolution: 1080p x 720p, Goding Format: MP4 (H.264/AAC) Operating System: Linux Input: HDMI X2, Line In, Mic, Output: HDMI X1, Line out Power: DC 12V</p> <p>1 unit 75 inches Interactive Display</p> <p>OPS PC module, Processor: Intel Core i5, 8th Gen, Graphics: UHD Graphic, Support 4k@60Hz Refresh Rate, RAM/Memory: 4GB, Storage/Hard Disc: 128GB SSD, OS: Windows IOT Genuine License, Thinker View Camera, Full HD Camera with 110 Degree FOV, and built-in mic Array.</p> <p>1 unit of Floor Mount Trolley</p> <p>Universal in design to fit 72" to 98" displays The Floor mount can hold the weight up to 130 kg Integrated cable management system, Adds a top tray and adjustable middle ledge to carry A/V equipment VESA compliant, Colours available: - Black Detailed Specifications: Max.load 287 lbs (130 kg), VC Camera Mount: Yes, VESA 600x400 to 900x600, Display Sizes 72" to 98", Material: Steel, Product Weight 38 kg</p>		

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Charge to:
ROA No.: 06-102101-22-02-002
CONFORME & RECEIVE COPY:

FUNDS AVAILABLE:
JASPER A. YAUDER, CPA
Budget Officer

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
Firm/Dealer/Supplier/Contractor

Date
Bank Account Name: _____
Bank Account Number: _____
Bank Name: _____
Bank Address: _____

APPROVED:
DR. ARMEEN ROSEL
VP, Research and Extension Services
Authorized Official



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier :	<u>AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION</u>	Work Order No.:	<u>2022-010</u>
Address :	<u>ACC Corporate Center, 45 7th Ave, Cubao, Quezon City</u>	Date :	<u>2/9/2022</u>
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		1 unit of Tracking Camera Superb High-definition Image, Leading Focus Technology, Low Noise and High SNR, Audio Input Interface, Wide-range, Quiet and Quick Pan/Tilt Mechanism, Multiple Video Compression, Multiple Network Protocol, Low-power Sleep Function Detailed Specifications: Sensor: ½.8-inch-high quality HD CMOS Sensor Effective Pixels: 2.07 megapixel; 16:9, Video Signals: 1080P 60/50/30/25/59.94/29.97, 1080i 60/50/59.94, 720P 60/50/30/25/59.94/29.97, Optical Zoom: 20x, Optical Zoom, f =4.7~94mm, View angle: 2.9 (tele), 55.4(wide), Digital Zoom: x10, Digital Noise Reduction 2D&3D digital noise reduction, Iris: F1.6~F3.5, Minimum Illumination: 0.5Lux (F2.8, AGC ON), White Balance: Manual/Auto/One Push/3000K/4000K/5000K/6500K Focus: Auto / Manual/ One Push, Electronic Shutter: Auto/Manual, WDR: OFF/Dynamic Range adjustment, Video Adjustment: Brightness, Color, Saturation, Contrast, Sharpness, Gamma Curve Panoramic Camera Sensor: ½.8inch high quality HD CMOS Sensor, Effective Pixels: 2.1 megapixel, Lens: Manual Focus 6mm Lens View Angle: 122/98/73		

COMMISSION ON AUDIT - TSU
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FUNDS AVAILABLE:
JASPER A. YAUDER, CPA
 Budget Officer

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
 Firm/Dealer/Supplier/Contractor

APPROVED:
DR. ARMEE N. ROSEL
 VP, Research and Extension Services
 Authorized Official

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WORK ORDER

Procurement Unit
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		Input/Output Interface and Protocols Video Interface: SDI LAN, Network Interface: 100M network interface (10/100BASE-TX), Video Compress Format: H.264, H.265, Control Protocol: Visca/Pelco-D/Pelco-P Baud Rate: 115200/9600/4900/2400bps Network Protocol RTSP, RTMP, ONVIF, GB/T28181 Audio Input Interface: Dual audio channel 3.5mm linear input, Video Stream: Dual Stream Output, Control Signal Interface: RS232 / RS485, Audio Compress Format: AAC, MP3, PCM, Power Interface: HEC3800 Power Jacket (DC12V) Pan Tilt Parameter Pan Rotation: -170 ~ +170, Pan Control Panel: 0.1 ~ 100/s Preset Speed: Pan: 100/s, Tilt: 45/s, Preset Number "User can set up to 255 presets (remoter 10 presets) Other Parameters Supply Adapter: Input AC110V-AC220V to DC12V/2.5A Input Voltage: Output DC12V+10%, Consumption: 18W (Max), Input Current: 1.5A (Max), Application: Indoor Remote Maintenance: Remote Update, Remote Reboot, Remote Reset, Accessory: 12V/2.5A Power Supply Adapter, RS232 control cable, Remote Controller, User Manual, Warranty Card 1 unit Tripod System Kit Two-stage aluminum tripod with 60mm bowl Supports loads up to 11 lb Fixed pan/tilt drag with independent pan/tilt locks Sliding quick release plate Pan handle attaches to either side of head 28.9 to 61" Height range Fixed, non-removable mid-level spreader Independent leg adjustment using twist-lock levers Rubber feet with enclosed metal spikes for use on a variety of surfaces Head-mounted bubble level 30.5" Folded length Padded carrying case		

COMMISSION ON AUDIT - TSU
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ROA No. :
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AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
Firm/Dealer/Supplier/Contractor

Date _____
Bank Account Name: _____
Bank Account Number: _____
Bank Name: _____
Bank Address: _____

FUNDS AVAILABLE:
JASPER A. YAUDER, CPA
Budget Officer

APPROVED:
DR. ARMEE N. ROSEL
VP, Research and Extension Services
Authorized Official



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

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TIN: <u>230-333-819-000 VAT Reg.</u>	JO No.: <u>2021-145</u>
Tel. No. : <u>0910-215-2455</u>	Date : <u>12/17/2021</u>
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>1 unit Keyboard Controller</p> <p>Features:</p> <ul style="list-style-type: none"> Ergonomic design with 4D stick for pan/tilt/zoom/focus control. Auto backlight keys& High brightness OLED display. Self-defined keys as shortcut. Password protection. Support multi-baud rate and protocols. Support up to 256 devices. Batch program cameras in the systems. Compact design with portable feature. <p>Detailed Specifications</p> <ul style="list-style-type: none"> Comm. Interface : RS-485、RS-232 Protocol : PELCO-D、PELCO-P、VISCA Baud Rate(bps) : 2400、4800、9600、19200、38400 Address : 0 ~ 255、0 ~ 7 (VISCA) Joystick : 4-axis (Left/Right, Up /Down, Zoom In/ Zoom Out, Focus Near / Focus Far) Display : OLED Power : DC12V/ 1A Power Consumption : <2W <p>1 unit of HDMI Capture Box</p> <p>Max input resolution 1920x1200, with USB, 1HDMI, embedded audio</p> <p>1 unit of High-Performance Laptop for Livestreaming</p> <p>Processor: 11th Generation Intel® Core™ i7 Operating System: Pre-loaded OEM Windows 10 Pro 64bit English (Genuine Microsoft OS Media Kit CD Included, DVD or Flashdrive, or document proof of OS genuity) Graphics: NVIDIA® GeForce RTX™ 3060 6GB GDDR6 Display: 15.6-inch FHD (1920 x 1080) 120Hz 250 nits WVA Anti-Glare LED Backlit Narrow Border Display Memory: 16GB, 8GBx2, DDR4, 3200MHz Hard Drive: 512GB M.2 PCIe NVMe Solid State Drive Processor: 11th Generation Intel® Core™ i7 Operating System: Pre-loaded OEM Windows 10 Pro 64bit English ASUS TUF FX506U-HN249T (ACER Nitro was phased-out)</p>		

COMMISSION ON AUDIT-TSU
RECEIVED
 BY: 6 DATE: **MAR 16 2022**

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Charge to: 06-102101-22-02 -0002
ROA No. :
CONFORME & RECEIVE COPY :

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
 Firm/Dealer/Supplier/Contractor

 Date _____
 Bank Account Name: _____
 Bank Account Number: _____
 Bank Name: _____
 Bank Address: _____

FUNDS AVAILABLE:
JASPER A. YAUDER, CPA
 Budget Officer

APPROVED:
DR. ARMEE N. ROSEL
 VP, Research and Extension Services
 Authorized Official



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier : **AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION**
Address : **ACC Corporate Center, 45 7th Ave, Cubao, Quezon City**
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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		(Genuine Microsoft OS Media Kit CD Included, DVD or Flashdrive, or document proof of OS genuity) Graphics: NVIDIA® GeForce RTX™ 3060 6GB GDDR6 Display: 15.6-inch FHD (1920 x 1080) 120Hz 250 nits WVA Anti-Glare LED Backlit Narrow Border Display Memory: 16GB, 8GBx2, DDR4, 3200MHz Hard Drive: 512GB M.2 PCIe NVMe Solid State Drive Keyboard: US English Qwerty 4-Zone RGB Backlit Keyboard with Numeric Keypad and G-Key Mouse: Precision Touchpad Ports: 2 SuperSpeed USB 3.2 1 SuperSpeed USB 3.2 with PowerShare 1 Type-C Thunderbolt™ 4 port with DisplayPort alt mode 1 HDMI 1 Power In 1 RJ45 1 Headphones/mic Camera: HD RGB camera with digital-array microphones in camera assembly Audio and Speakers :1 headset (headphone and microphone combo) port Stereo speakers with Realtek ALC3254, 2 W x 2.5 W Dual-array microphones Wireless: Intel® Wi-Fi 6 AX201 (2x2) Wi-Fi + Bluetooth 5.2 Primary Battery 6-cell Smart lithium-ion, 86 WHr w/ 3 years on-site repair / warranty on all labor and parts by an authorized technical support.		

COMMISSION ON AUDIT - TSU
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By: *[Signature]* Date: **MAR 16 2022**

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AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION

Firm/Dealer/Supplier/Contractor

Date

Bank Account Name: _____

Bank Account Number: _____

Bank Name: _____

Bank Address: _____

FUNDS AVAILABLE:

[Signature]
JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

[Signature]
DR. ARMBE N. ROSEL

VP, Research and Extension Services

Authorized Official *[Signature]*

Form No.: TSU-PRO-SF 10

Revision No.: 01

Effectivity Date: March 01, 2011

Page 6 of 12



WORK ORDER

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>1 unit of 5-port Gigabit Switch</p> <p>Device Interfaces: 5 X 10/100/1000BASE-T ports Standards: • IEEE 802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE 802.3ab 1000BASE-T • IEEE 802.3x Flow Control • IEEE 802.1p QoS • IEEE 802.3az Energy-Efficient Ethernet (EEE) Media Interface Exchange: Auto MDI/MDIX adjustment for all ports Transmission Method: Store-and-forward Data Transfer Rates: Ethernet: • 10 Mbps (half-duplex) • 20 Mbps (full-duplex) • Fast Ethernet: • 100 Mbps (half-duplex) • 200 Mbps (full-duplex) • Gigabit Ethernet: • 2000 Mbps (full-duplex)</p> <p>1 unit of Wireless Presenter System with Lavalier Microphone</p> <p>Detailed Specifications: Bodypack Transmitter, Audio Input Level : Max = -16 dBV maximum, min (0 db) = +10dBV maximum, Gain Adjustment Range : 26 dB, Input Impedance : 1 MΩ RF Transmitter Output : 10 mW, typical, Housing : Molded ABS, Power Requirements : 2 LR6 AA batteries, 1.5 V, alkaline, Battery Life : up to 14 hours (alkaline) Wireless Receiver, Output Impedance, XLR Connector : 200 Ω, 6.35 mm (1/4") connector : 50 Ω Audio Output Level XLR Connector : -27 dBV (into 100 kΩ load), 6.35 mm (1/4") : -13 dBV (into 100 kΩ load), RF Sensitivity : -105 dBm, for 12 dB SINAD, typical, Image Rejection : >50 dB, typical, Housing : Molded ABS, Power Requirements : 12-15 V DC @ 235 mA (BLX88, 320 mA), supplied by external power supply, with Lavalier Microphone</p>		

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(Please read carefully at the back hereof)

Charge to: 06-102101-22-02-002

ROA No. :

CONFORME & RECEIVE COPY :

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION

Firm/Dealer/Supplier/Contractor

Date

Bank Account Name: _____

Bank Account Number: _____

Bank Name: _____

Bank Address: _____

FUNDS AVAILABLE:

JASPER A. YAUDER, CPA

Budget Officer

APPROVED:

DR. ARMEE N. ROSEL

VP, Research and Extension Services

Authorized Official

Form No. : TSU-PRO-SF 10

Revision No. : 01

Effectivity Date: March 01, 2021

Date: 2/10/22



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier :	<u>AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION</u>	Work Order No.:	<u>2022-010</u>
Address :	<u>ACC Corporate Center, 45 7th Ave, Cubao, Quezon City</u>	Date :	<u>2/9/2022</u>
TIN:	<u>230-333-819-000 VAT Reg.</u>	JO No. :	<u>2021-145</u>
Tel. No. :	<u>0910-215-2455</u>	Date :	<u>12/17/2021</u>
		Mode of Procurement:	<u>Small Value</u>
		Mode of Payment:	<u>N/30</u>

SIR/MADAM:

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>3 sets of Dimmable Bi-Color Light LED Panel and Stand Lighting Kit</p> <ul style="list-style-type: none"> • Dimmable Bi-color Light Panel: With 330 White and 330 Yellow LED long lasting bulbs, back with 2 control knobs to adjust brightness (0%-100%), 3200-5600K color temperature, the light panel can satisfy your various needs of lighting effects, more realistic to show the color of shooting objects. • U-mount Bracket & Adjustable Light Stand : U-mount bracket enables the photographers to adjust the lighting angle according to the shooting environment. Comes with an extensible light stand, folded height is about 49.5cm/19.5in, and max. height is about 200cm/78.7in, with knob to lock the height you desired, very convenient to use. • 2 Types of Power Supply : Power can be supplied through AC adapter or 2 lithium batteries at the video light to use, support NP-F550/F970/F750 li-ion batteries. (Batteries are not included.) • Premium Material & Multi-use: Made of excellent quality aluminum alloy showing simple elegant appearance; Can be placed directly on the light stand, ground or desk, providing multiple shooting solutions, more convenient for your creation work. • Useful Accessories: Comes with a white diffuser to soften the harsh light; A zippered carrying bag makes it easy to carry and store the light and accessories. <p>Detailed Specifications</p>		

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JASPER A. YAUDER, CPA
 Budget Officer

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
Firm/Dealer/Supplier/Contractor

Date _____
 Bank Account Name: _____
 Bank Account Number: _____
 Bank Name: _____
 Bank Address: _____

APPROVED:

DR. ARMEE N. ROSEL
 VP, Research and Extension Services
 Authorized Official



WORK ORDER

DELIVERY DUE DATE: 4/15/2022

Procurement Unit
Telefax No.: 045-982-4630

Supplier : **AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION**
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 Tel. No. : **0910-215-2455**

SIR/MADAM:

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>LED Light Main Material: Aluminum Alloy, Plug: US/EU/UK/JP(Optional), 100-240V 50/60Hz Voltage: DC 12V-15V, LED Beads: 660 Pieces (330 White+330 Yellow), Power: 40W, Lumen: 4260, Adjustable Brightness: 0%-100%, Color Temperature: 3200-5600K, Color Rendering Index: ≥85%</p> <p>Light Stand Color: Black, Main Material: Aluminum Alloy, Folded Height: 49.5cm / 19.5in, Maximum Height: 200cm / 78.7in, Tripod Weight: 1111g / 39.2oz 1 unit of 25ft HDMI Cable</p> <p>High-Speed HDMI Cable with Ethernet (Camera to AV Mixer/ Media Box)</p> <p>Technical Specifications Video: Max Data Rate for 25-35ft (7.6-10.7m) : 10.2 Gbps (3.4Gbps per channel) Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC, ARC and ETH</p> <p>Audio Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, DVD Audio, SA-CD PHYSICAL HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector</p>		

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		CONDUCTORS Material: Bare Copper 3-35ft (.9-10.7m) lengths: 26AWG (7/0.160) SCREENING Type: Triple shielding JACKET Material: PVC Color: Black 1 unit of 35ft HDMI Cable High-Speed HDMI Cable with Ethernet (Interactive Display to AV Mixer / Media Box Technical Specifications: Video: Max Data Rate for 25-35ft (7.6-10.7m) : 10.2 Gbps (3.4Gbps per channel) Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC, ARC and ETH Audio Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, DVD Audio, SA-CD PHYSICAL HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector CONDUCTORS Material: Bare Copper 3-35ft (.9-10.7m) lengths: 26AWG (7/0.160) SCREENING Type: Triple shielding JACKET Material: PVC Color: Black		

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QTY.	UNIT	DESCRIPTION	UNIT COST	TOTAL COST
		<p>1 unit of 3ft HDMI Cable</p> <p>High-Speed HDMI Cable (AV Mixer / Media box to HDMI Capture Box) Video: Max Resolution for 3-20ft (.9-6.1m) lengths: 4K@60Hz (4:4:4), Supported Color Spaces: RGB, YCbCr, xvYCC, Adobe sRGB, sYCC601, BT.2020 HDMI Compliance: HDR, HDCP 2.2, EDID and CEC, ARC and ETH Audio Supported Audio Formats: Dolby Digital Plus™, Dolby TrueHD™, DTS-HD Master Audio™, DVD Audio, SA-CD PHYSICAL HDMI Source: On a male HDMI type A, 24K gold-plated K-Lock connector HDMI Display: On a male HDMI type A, 24K gold-plated K-Lock connector CONDUCTORS Material: Bare Copper 3-35ft (.9-10.7m) lengths: 26AWG (7/0.160) SCREENING Type: Triple shielding JACKET Material: PVC Color: Black</p> <p>1 unit of Background Cloth for Photography</p> <p>Material: cotton muslin harmonious background, wear-resistant, wrinkle resistance with Clamps and mounting accessories. Dimensions: 3m x6m Color: Black</p>		

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JASPER A. YAUDER, CPA
Budget Officer

AVLS ALL VISUAL & LIGHTS SYSTEMS CORPORATION
Firm/Dealer/Supplier/Contractor

APPROVED:

DR. ARMEEN ROSEL
VP, Research and Extension Services
Authorized Official

Date _____
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		Additional Requirements <ul style="list-style-type: none"> • Provide user training to end-users for each equipment operation and installation. • Provide warranty for all the equipment to be delivered on all labor or parts, on-site repair, or hardware replacement. • Installation and setup of included items in the project. • Conduct testing prior to project acceptance • Conduct of a kick-off meeting to discuss the project implementation plan. <p>*****</p>		

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[Signature]
JASPER A. YAUDER, CPA
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APPROVED:
[Signature]
DR. ARMEE N. ROSEL
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