SUPPLY, DELIVERY AND INSTALLATION OF RADIO STATION EQUIPMENT
(CAS)

Item No.	Unit	Item Description	Qty	Unit Cost	Total Cost
1	set	FM broadcast Transmission system. Technical Specifications: **Transmitter** RF Output Power: 0-25Watts,1W/Step Frequency range: 87.5-108Mhz,100Khz/Step Frequency Stability: Better than 100Hz Transmission Signal: FM Stereo or Mono Stereo Separation: More than 50db Automatic Digital SWR and Thermal Heat protection **Input** Audio Input Connector: RCA-Female Audio Input Level: -15db, Max-30db **Antenna** Impedance: 50ohm RF Output Connector: N-Type-female **Power Supply** Power source: AC110-240Volts or DC12Volts	1	1,086,000.00	1,086,000.00
2	unit	Broadcast console/ Digital mixer with analog motorized faders with bluetooth and usb input/output or SD slot for Recording (at least 10 -16 channel expandable) **See attached specification.**	2	220,000.00	440,000.00
3	pc	Broadcast On-Air, Announcer and Studio Microphone professional-quality dynamic cardioid microphone, Element Type: Dynamic Frequency Response: 45 Hz - 18,000 Hz Polar Pattern: Cardioid Impedance: 150 ohms balanced Sensitivity, Open Circuit Voltage, 1 kHz: 1.5 mV/pascal Hum Pickup Level, typical (60 Hz/1 millioersted field): -130 dBm Polarity: Pin 2 will be positive referenced to Pin 3 with positive pressure on diaphragm Accessories Included: 81715 stand clamp (pref. EV RE-20, RE27N/D, RODE, Shure SM7B, or Sennheiser) Optional Accessories: 309A shock-mounted stand adapter for use with floor stand or recording boom	2	50,000.00	100,000.00
4	pc	Broadcast orientation suspension shock mounted stand adapter for Broadcast/ Announcer	2	10,000.00	20,000.00
5	pc	Studio mic boom for broadcast microphone preferably with On-air signal display	2	10,000.00	20,000.00
6	set	Guest dynamic microphone with desk mount mic arm holder Acoustic Principle Dynamic Polar Pattern Cardioid Address Type End Frequency Range 75Hz - 18kHz Output Impedance 320Ω Sensitivity -56.0dB re 1 Volt/Pascal (1.60mV @ 94 dB SPL) +/- 2 dB @ 1kHz	2	20,000.00	40,000.00

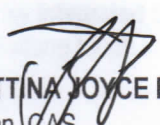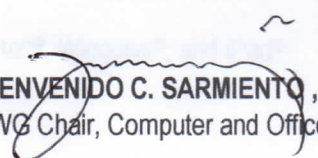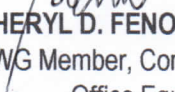|					
7	pc	Announcer Head Set: Microphone Type: Dynamic (moving coil) • Polar Pattern: Cardioid • Frequency Response: 50 to 15,000 Hz • Output Impedance: 200 Ohms • Sensitivity (@ 1 kHz, open circuit voltage): -67.0 dBV/Pa* (0.45 minimum) *1 Pa - 94 dB SPL • Polarity: Positive pressure on diaphragm produces positive voltage on pin 1 (red wire) with respect to pin 3 (shield) • Headphone Transducer Type: Dynamic, Neodymium magnet • Driver Size: 40 mm • Frequency Range: 15 to 27,000 Hz • Sensitivity (@ 1 kHz): 101 dB/mW • Impedance (@ 1 kHz): 300 Ohms • Maximum Input Power: 1000 mW	2	15,000.00	30,000.00
8	pc	Active studio monitor speaker True active 50 W + 25 W class AB design 50 Hz – 20.000 Hz frequency response Precision directivity tweeter waveguide Fully featured input board 6" composite fibreglass woofer 1" soft dome tweeter Reflection free front cabinet design Low distortion reflex port	4	20,000.00	80,000.00
9	pc	55-inch 4K UHD High Dynamic Range Smart TV with 4K X-Reality PRO, ClearAudio+, that enables to access YouTube and allows HDR gaming with PlayStation feature. Resolution: 3840x2160, usb, hdmi, lan connection	1	50,000.00	50,000.00

10	set	Desktop Computer for playout.
		TECH SPECS: i7-7700 w/ GTX 1050
		Processor: Intel Core i7-7700 (8MB Cache, Quadcore Processor 3.6 GHZ Max Frequency 4.20 Ghz)
		Memory: 8GB, DDR4, 2133 MHz
		Storage: 1TB 3.5-inch 7200 RPM
		Graphics: NVIDIA GeForce GTX 1050, 2 GDDR5 (supporting: DVI-D, HDMI, DP)
		Optical Drive: 8X Super-Multi drive, 9.0 mm slim, tray-load
		Connectivity: 802.11ac/a/b/g/n wireless Gigabit LAN and Bluetooth
		Front/Side Ports: Card reader: Yes
		  Audio jack(s): 2 ; USB 3.0 port(s): 2
		Rear I/O Ports : HDMI port(s): 2 (out)
		  LAN port(s): 1 Audio jack(s): 3
		  USB 2.0 port(s): 4 USB 3.0 port(s): 1"
		  Number of PCIe x16 slot(s): 1
		  Number of PCIe x1 slot(s): 1
		  M.2 slot (for SSD): 1
		  M.2 slot (for WLAN): 1
		Power Supply : 300W CR
		Accessories : Wired Keyboard and mouse
		Display port : DVI to D-Sub
		Monitor : Acer R231 bmid 23" Monitor; VGA + DVI + HDMI
		Operating System : Win 10 SL 64 Bit
			2	67,000.00	134,000.00

	GRAND TOTAL	P 2,000,000.00

Prepared by:

Noted by:

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BIENVENIDO C. SARMIENTO , Jr.
TWG Chair, Computer and Office Equipment

SHERYL D. FENOL
TWG Member, Computer and Office Equipment

Digital mixer

General Controls
17 touch-sensitive, motorized
RGB Select buttons with user-assignable colors
Fat Channel controls
7-inch color touchscreen

Inputs and Outputs
16 channel inputs: 8 mic, 8 mic/line
1 XLR Talkback mic input
Bluetooth
Stereo AES/EBU digital output
2 XLR (L/R) Main outputs
Stereo headphone output

Channels and Buses
32 input channels 26 buses:
16 with recallable XMAX Class A mic preamps, 16 via USB and AVB
2 stereo aux inputs
24 Filter DCAs for easily and flexibly controlling groups of channels

Networking Connections
1 Ethernet control network port
Dynamic, Self Assigned, and Manual IP address modes
1 Ethercon AVB audio network port

Recording
Onboard 34x34 SD recorder, 38x38 USB recording interface, 55x55 AVB recording interface

Signal Processing
Intuitive Fat Channel signal processing on every channel with:
A/B settings comparison
Highpass filter and polarity reverse, Gate/expander, Compressor with sidechain
4-band parametric EQ on inputs, 6-band outputs
Limiter,Delay, Compressors, 31-band graphic EQs, effects buses, reverbs and delays with modern and vintage options
Built-in real-time analyzer

Metering/Display
Input meter on every channel
Full-size Fat Channel metering
Gate gain and Compressor gain reduction meter

Scenes and Presets
Create, save, and edit up to 100 scenes
Advanced channel preset options can save and recall:
Input settings (preamp, +48V phantom power, polarity, pan)
Bus assignments
8 Quick Scenes

Actively Integrated Software
UC Surface touch control software for Mac®, Windows®, and iPad®