TERMS OF REFERENCE

SUPPLY AND DELIVERY OF ICT EQUIPMENT

I. BACKGROUND

In compliance with the Republic Act. No. 9184 known as the "Government Procurement Reform Act", the PSHS-MRC will be conducting a public bidding for the supply and delivery of ICT Equipment.

II. OBJECTIVES

- Upgrade of older computer systems to enhance productivity and ensure compatibility to run newer programs efficiently.
- Installation of large-size TVs and relevant accessories for the Auditorium to enhance the visual experience of audiences during the presentation.
- Additional printers for offices which lack printer supply.
- A public address amplifier and accessories for the girls' dorm building are needed to power up the available speakers for the public address system.
- Multimedia camera and accessories to be used by the Multimedia Committee during school events and activities.
- Installation of the required AVR for the Lab building elevator to be operational and will protect the elevator electronic system in case of power failure.

III. APPROVED BUDGET FOR THE CONTRACT (ABC):

The Approved Budget for the Contract is **Two Million Seven Hundred Forty Five Thousand Pesos only (Php 2,745,00.00)** inclusive of all taxes.

IV. BIDDER'S QUALIFICATION

Bidders should have completed, within *two (2) years* from the date of submission and receipt of bids, a contract similar to the Project. *See PBD for further details.*

v. DELIVERABLES

- Lot 1 Seven (7) 13-inch Laptop, three (3) computer system unit (set), one (1) HDMI over single CAT5/6 splitter (set), two (2) 85-inch 4K Ultra HD TV (set), two (2) 75-inch 4K Ultra HD TV 9 (set), one (1) DSLR Camera with Accessories (set), and fourteen (14) A3 Refill Ink Tank Multi-Function Center with Wireless & Ethernet Connectivity (set)
- Lot 2 One (1) Four Zone Matrix Power Amplifier with input routing (set)
- Lot 3 One (1) 20kVA, Three Phase, 400V, 60Hz Automatic Voltage Regulator (set)

VI. TECHNICAL SPECIFICATIONS

LOT	DESCRIPTION	MINIMUM SPECIFICATIONS
	1. 13-inch laptop	Please see below
1		ARM-based system on a chip (SoC) central
		processing unit (CPU) and graphics processing
	Processor	unit (GPU)
	110005501	with 8-core CPU, 10-core GPU, 16-core neural
		processing unit; 16 MB L2 Cache
	Memory	16GB unified memory
	Storage	256GB or Higher SSD storage
	· · · · · · · · · · · · · · · · · · ·	13.6-inch (diagonal) LED-backlit display with
	Graphics	IPS technology, 2560-by-1664 native resolution
	Grapines	at 224 pixels per inch with support for 1 billion
		colors, 500 nits brightness
		One external display with up to 6K resolution at
	External Display	60Hz, Supported formats include HEVC, H.264,
		HDR with Dolby Vision, HDR10, and HLG
	Power Supply	Line voltage: 100V to 240V AC, Frequency: 50Hz
L	rower suppry	to 60Hz
	Wireless	Wi-Fi 6 (802.11ax) ; Bluetooth 5.3
		Two Thunderbolt / USB 4 ports with support
		for:
	Ports	-Charging
		-DisplayPort
		-Thunderbolt 3 (up to 40Gb/s)
		-USB 4 (up to 40Gb/s)
		-USB 3.1 Gen 2 (up to 10Gb/s)
		Four-speaker sound system, Wide stereo sound,
	Audio Capabilities	Three-mic array with directional beamforming,
	Audio Capabilides	3.5 mm headphone jack with advanced support
		for high-impedance headphones
		Audio playback: Supported formats include AAC,
	Audio Format	MP3, Lossless, FLAC, Dolby Digital, Dolby Digital
		Plus, and Dolby Atmos
	Webcam	1080p HD camera
	***************************************	Up to 18 hours movie playback
	Battery	Up to 15 hours wireless web 52.6-watt-hour
	Dattery	lithium-polymer battery, including 70W USB-C
		Power Adapter
	Power Supply	Line voltage: 100V to 240V AC, Frequency: 50Hz
		to 60Hz
	Height	0.44 inch (1.13 cm)
	Width	11.97 inches (30.41 cm)
	Depth	8.46 inches (21.5 cm)
	Weight	2.7 pounds (1.24 kg)

	Backlit Keyboard with Touch fingerprint - US
Keyboard	English
Security	
Color Options	2-midnight black, 2 space gray, 3 silver finish color
Additional Features	With 1-year warranty
2. Computer System Unit	Please see below
	Intel Core i7-12700F Raptor Lake Socket LGA
Processor	1700 Processor
	Socket LGA 1700, Supports up to 128GB DDR4
	Memory, up to 4800+(OC) MHz Ddr4, 2 M.2
Motherboard	slots, 4 SATA III, 1 PCI-E X1, 2 PCI-E X16, 2
	DisplayPort, 2 HDMI ports. With WIFI. form
	factor: MATX
Memory	32gb 4x8 3200mhz Ddr4 RGB Memory White
	Core Clock: 2475 MHz (Reference card: 2460
	MHz), Cores: 3072, Memory Clock: 17 Gbps,
	Memory Size: 8 GB, Memory Type: GDDR6,
Graphics Card	Memory Bus: 128 bit, Card Bus:PCI-E 4.0, Digita
	max resolution: 7680x4320, Multi-view: 4, PCB
	Form: ATX, DirectX: 12 Ultimate, OpenGL: 4.6,
	DisplayPort 1.4a*2, HDMI 2.1a*2.
SSD	PCIe M.2 3.0 NVME 1TB PCIe 4.0
Power Supply	850W 80+ Gold Fully Modular Power Supply
	Mid Tower Gaming PC Case Black, I/O PORTS: 1:
	USB 3.0 + 2 x USB 2.0 + HD Audio / Mic, CASE
	EXPANSION SLOTS: 7, MAXIMUM GPU LENGTH
Case	350 mm, POWER SUPPLY: Standard ATX, PRE-
	INSTALL FAN: 1 x 120 mm addressable RGB LEI
	FAN included, SUPPORT MB FORM FACTOR:
	ATX / mATX / Mini-ITX
CDILCooling	120mm ARGB Dual Tower Substantial Cooling
CPU Cooling	Power CPU Air Cooler
Display	27" IPS 165Hz Curved Monitor
	With wired keyboard and mouse
Additional Features	With 1000va UPS
	1 year warranty
3. 85-inch 4K Ultra HD TV	
Processor	4k HDR processor
	Full Array LED
	Google TV
Wifi Frequency	2.4GHz/5GHz(for Wi-Fi Direct: 2.4GHz Only)
Ethernet Input	1 HDCP2.3(for HDMI™1/2/3/4)
HDMI Inputs Total	4 (4Side)
USB PORTS:	2 (Side)

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BLUETOOTH PROFILE	Version 4.2, HID (mouse/keyboard connectivity)/HOGP (Low Energy device
SUPPORT:	connectivity)/SPP(Serial Port Profile)/A2DP
Soft ORT.	(stereo audio) 1/AVRCP (AV remote control)
Apple Airplay	Yes
Display Resolution	(H X V, PIXELS) 3840 x 2160"
Backlight Type	Direct LED
	Vivid, Standard, Cinema, Game, Graphics,
PICTURE MODES	Photo,Custom, Dolby Vision (Vivid/Bright/Dark)
	4096x2160p(24,50,60Hz),
VIDEO SIGNAL SUPPORT	3840x2160p(24,25,30,50,60Hz),
HDMI™ signal	1080p(24,30,50,60Hz), 1080i(50,60Hz),
	720p(24,30,50,60Hz), 576p, 480p
SPEAKER CONFIGURATION	Full Range (Bass Reflex) x 2
DTS AUDIO FORMAT SUPPORT	DTS Digital Surround
DOLBY AUDIO FORMAT SUPPORT	Dolby™ Audio, Dolby™ Atmos
ON-BOARD STORAGE (GB)	32GB
OPERATING SYSTEM	Android TV™
SCREEN SIZE (CM, MEASURED DIAGONALLY)	215 cm
POWER REQUIREMENTS (VOLTAGE/FREQUENCY)	50 Hz, 220 V - 240 V AC
Additional Features:	With 2-Year Warranty
	Comes with remote and tv stand
	VESA® HOLE PITCH(W X H)
	Comes with remote and tv stand
	Comes with 1 TV Wall Mount for Large TVs Up to
	90" Full Motion Has Smooth Swivel, Tilt, and
	Extension, Weight capacity
4. 75-inch 4K Ultra HD TV	
	4k HDR processor
Processor	Full Array LED
	Google TV
WI-FI FREQUENCY	2.4GHz/5GHz(for Wi-Fi Direct
Ethernet input	1 HDCD2 265 HDMHM /2 /2 /4)
	HDCP2.3(for HDMI™1/2/3/4)
HDMI INPUTS TOTAL	4(4Side)
USB PORTS	2 (Side)

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BLUETOOTH PROFILE SUPPORT	Version 4.2, HID (mouse/keyboard connectivity)/HOGP (Low Energy device connectivity)/SPP(Serial Port Profile)/A2DP (stereo audio) 1/AVRCP (AV remote control)
APPLE AIRPLAY	Yes
DISPLAY RESOLUTION (H X V, PIXELS)	3840 x 2160
BACKLIGHT TYPE	Direct LED
PICTURE MODES	Vivid, Standard, Cinema, Game, Graphics, Photo,Custom, Dolby Vision (Vivid/Bright/Dark
VIDEO SIGNAL SUPPORT	HDMI™ signal 4096x2160p(24,50,60Hz), 3840x2160p(24,25,30,50,60Hz), 1080p(24,30,50,60Hz), 1080i(50,60Hz), 720p(24,30,50,60Hz), 576p, 480p
SPEAKER CONFIGURATION	Full Range (Bass Reflex) x 2
DTS AUDIO FORMAT SUPPORT	DTS Digital Surround
DOLBY AUDIO FORMAT SUPPORT	Dolby™ Audio, Dolby™ Atmos
ON-BOARD STORAGE (GB)	32GB
OPERATING SYSTEM	Android TV™
SCREEN SIZE (CM, MEASURED DIAGONALLY)	189 cm
POWER REQUIREMENTS (VOLTAGE/FREQUENCY)	50 Hz, 220 V - 240 V AC
Additional Features	With 2-Year Warranty Comes with remote and tv stand VESA® HOLE PITCH(W X H) 40.0 x 40.0 cm Comes with remote and tv stand Comes with 1 TV Wall Mount for Large TVs Up to 90" Full Motion Has Smooth Swivel, Tilt, and Extension, Weight capacity 75KG, Universal Design Works with common brand TVs - Includes Hardware and drill Template.
	24.2MP APS-C CMOS Sensor, Dual Pixel CMOS
5. DSLR Camera with accessories	AF II 2.36m-Dot OLED EVF

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Single SD card slot; JPG/HEIF/RAW/C-RAW picture formats; MP4 recording up to 4K UHD (30p) / 4K UHD crop (60p) / Full HD HDR PQ; 2hrs continuous recording time available AF: Spot AF/1-point AF/Expand AF area (above, below, left and right) Expand AF area (Around) / Flexible zone AF 1-3/Whole area AF People/Animal/Vehicles subjects Al auto detection Mechanical/Electronic 1st Curtain: Max. Approx. 15fps Electronic shutter: Max Approx. 23fps Optical Lens Image Stabilization support Electronic Viewfinder 2.36M dot count; 0.95x magnification LCD Monitor 1.04M dot count; 3.0inches dimension; Vari-angle design Bulle-in flash; Approx. 6M detection includes battery and 64GB Memory Card and camera strap, bag, and authentic battery charger 3.0 kg (Handheld); Bluetooth 5.0; USB-C for connections 360°/s + Tilt axis: 360°/s + Roll axis: 360°/s NATO port; M4 Mounting Hole; 1/4"-20 Mounting Hole; Cold Shoe Mount; Video Transmission / Follow Focus Motor Port (USB-C); RSS Camera Control Port (USB-C); Transmission when Folded Dimension when Folded Dimension when Unfolded Dimension when Unfolded Dimension when Unfolded Dimension when Unfolded A00×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for 10S, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFl Sound; compatible with 10S/Android and DSLR Cameras		
crop (60p) / Full HD HDR PQ: 2hrs continuous recording time available AF: Spot AF/1-point AF/Expand AF area (above, below, left and right) Expand AF area (Around) / Flexible zone AF 1-3/Whole area AF People/Animal/Vehicles subjects Al auto detection Mechanical/Electronic 1st Curtain: Max. Approx. 15fps Electronic shutter: Max Approx. 23fps Optical Lens Image Stabilization support Electronic Viewfinder 2.36M dot count; 0.95x magnification LCD Monitor 1.04M dot count; 3.0inches dimension: Vari-angle design Built-in flash; Approx. 6meters with 18-45mm f/4.5-6.3 IS Lens Includes battery and 64GB Memory Card and camera strap, bag, and authentic battery charger 3.0 kg (Handheld); Bluetooth 5.0; USB-C for connections 360°/s + Tilt axis: 360°/s + Roll axis: 360°/s NATO port; M4 Mounting Hole; 1/4°-20 Mounting Hole; Cold Shoe Mount; Video Transmission/ Follow Focus Motor Port (USB-C); RSS Camera Control Port (USB-C); RSS Camera Control Port (USB-C); RSS Camera Control Port (USB-C); Usb of 14hrs Max. Batt. Life; 2.4000-2.4835 GHz operating frequency; Dimension when Unfolded Dimension when Unfolded Dimension when Unfolded AF: Spot AF/1-point AF/Expand AF area (above, below, left and regions AF 1-3 and 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300hrs total battery life; 48kHz/24bit HiFi Sound;		Single SD card slot; JPG/HEIF/RAW/C-RAW picture formats;
AF: Spot AF/1-point AF/Expand AF area (above, below, left and right) Expand AF area (Around)/ Flexible zone AF 1-3/Whole area AF People/Animal/Vehicles subjects AI auto detection Mechanical/Electronic 1st Curtain: Max. Approx. 15fps Electronic shutter: Max Approx. 23fps Optical Lens Image Stabilization support Electronic Viewfinder 2.36M dot count; 0.95x magnification LCD Monitor 1.04M dot count; 0.95x magnification LCD Monitor 1.04M dot count; 3.0inches dimension;Vari-angle design Built-in flash; Approx. 6meters with 18-45mm f/4.5-6.3 IS Lens Includes battery and 64GB Memory Card and camera strap, bag, and authentic battery charger 3.0 kg (Handheld); Bluetooth 5.0; USB-C for connections 360°/s + Tilt axis: 360°/s + Roll axis: 360°/s NATO port; M4 Mounting Hole; 1/4"-20 Mounting Hole; Cold Shoe Mount; Video Transmission/ Follow Focus Motor Port (USB-C); RSS Camera Control Port (USB-C); RSS Camera Control Port (USB-C); RSS Camera Control Port (USB-C); Battery Dimension when Folded Dimension when Folded Dimension when Unfolded Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		
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Magnification		Optical Lens Image Stabilization support
LCD Monitor 1.04M dot count; 3.0inches dimension; Vari-angle design Built-in flash; Approx. 6meters with 18-45mm f/4.5-6.3 IS Lens Includes battery and 64GB Memory Card and camera strap, bag, and authentic battery charger 6. 1 set Handheld Gimbal DSLR Camera Stabilizer 3.0 kg (Handheld); Bluetooth 5.0; USB-C for connections 360°/s + Tilt axis: 360°/s + Roll axis: 360°/s NATO port; M4 Mounting Hole; 1/4"-20 Mounting Hole; Cold Shoe Mount; Video Transmission/ Follow Focus Motor Port (USB-C); RSS Camera Control Port (USB-C); RSS Camera Control Port (USB-C); RSS Camera Control Port (USB-C); Up to 14hrs Max. Batt. Life; 2.4000-2.4835 GHz operating frequency; Dimension when Folded Dimension when Unfolded 400×185×175 mm (including the handle) 400×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		· •
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Pan axis Mounting Hole; Cold Shoe Mount; Video Transmission/ Follow Focus Motor Port (USB-C); RSS Camera Control Port (USB-C) Battery RB2-3400mAh -7.2 V; 18650 2S type; 3400mAh cap; Up to 14hrs Max. Batt. Life; 2.4000-2.4835 GHz operating frequency; Dimension when Folded Dimension when Unfolded 400×185×175 mm (including the handle) 400×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		1 .
Transmission/ Follow Focus Motor Port (USB-C); RSS Camera Control Port (USB-C) Battery RB2-3400mAh -7.2 V; 18650 2S type; 3400mAh cap; Up to 14hrs Max. Batt. Life; 2.4000-2.4835 GHz operating frequency; Dimension when Folded Dimension when Unfolded Dimension when Unfolded A00×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;	Pan axis	
C); RSS Camera Control Port (USB-C) RB2-3400mAh -7.2 V; 18650 2S type; 3400mAh cap; Up to 14hrs Max. Batt. Life; 2.4000-2.4835 GHz operating frequency; Dimension when Folded Dimension when Unfolded 400×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;	1	, ,
cap; Up to 14hrs Max. Batt. Life; 2.4000-2.4835 GHz operating frequency; Dimension when Folded Dimension when Unfolded Dimension when Unfolded Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		
Dimension when Folded Dimension when Unfolded Dimension when Unfolded Dimension when Unfolded A00×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;	Battery	
Dimension when Unfolded 400×185×175 mm (including the handle and without the Extended Grip/Tripod) Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		2.4000-2.4835 GHz operating frequency;
Microphone; pocket-size; with 2x Button-sized lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;	Dimension when Folded	260×210×75 mm (including the handle)
lavalier Transmitters and 3x Receiver (1 for Android, 1 for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;	Dimension when Unfolded	, ,
for iOS, and 1 for DSLR cameras) and 1 charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		1
charging case; 300m transmission range; 30hrs total battery life; 48kHz/24bit HiFi Sound;		Transmitters and 3x Receiver (1 for Android, 1
30hrs total battery life; 48kHz/24bit HiFi Sound;		-
compatible with iOS/Android and DSLR Cameras		
		compatible with iOS/Android and DSLR Cameras

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7. 1 set Wireless Lavalier	headphone out; Plug and Play, ready out of box; w/ phone shutter
	With 1 year warranty for DLSR Camera, Gimbal and Lavalier
8. A3 Refill Ink Tank Multi-	Automatic 2-sided Color Print ADF - Scan/Copy/Fax
Function Center with Wireless & Ethernet Connectivity	Professionally Designed for Fast Print Speeds, Low Cost High Resolution Photo Quality with Ultra High Yield Ink Bottle
	Wi-Fi Direct, Mobile & USB Print
FUNCTIONS	Fax, Print, Scan, Copy
PAPER SIZE	A4, Letter, Executive, B5A3, Ledger, B4, Legal, Folio, A5, B6, A6, Photo-4"x6", Indexcard-5"x8" Photo-3.5"x5", Photo-5"x7", C5 Envelope, Com-10 Envelope, DL Envelope, Monarch Envelope, Mexico Legal, India Legal
RESOLUTION	up to 1200x4800 dpi
PRINTING WIDTH	А3
BORDERLESS	A4, Letter, A6, Photo (10 cm x 15 cm), Photo L (89 mm × 127 mm), Photo 2L (13 cm × 18 cm) Index Card (127 mm × 203 mm), A3, Ledger
2-SIDED - PAPER SIZE	A3, Ledger, JIS B4, Legal, Folio, A4, Letter, Executive, A5,JIS B5, JIS B6, Mexico Legal, India Legal
PAPER INPUT - PAPER TRAY #1 - MAXIMUM PAPER CAPACITY	Max. 250 sheets of 80 gsm plain paper
PAPER INPUT - MULTI-	Plain paper, Inkjet paper, Glossy
PURPOSE TRAY	paper(cast/resin), Recycled paper
PAPER INPUT - MULTI- PURPOSE TRAY - MAXIMUM PAPER CAPACITY	Max. 100 sheets, 80 gsm
ADF INPUT PAPER TRAY MAXIMUM PAPER CAPACITY	Up to 50-sheets
PAPER OUTPUT	Up to A4/Letter
COLOUR	Yes, MONOCHROME
RESOLUTION	Print
2-SIDED - PAPER SIZE	Ledger, Legal, Folio, Letter, A3, A4, A5, A6, Photo-4"x6", Mexico Legal, India Legal
USB 2.0, LAN	Yes,WIRELESS LAN, IEEE 802.11b/g/n

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		(Infrastructure), IEEE 802.11g/n (Wi-Fi Direct™)
	SCANNING WIDTH - ADF	Max. 295 mm
	SCANNING LENGTH - SCANNER GLASS	Max. 429.8 mm
	SCANNING LENGTH - ADF	Max. 429.8 mm
	DISPLAY	2.7" TFT Colour LCD
	MEMORY CAPACITY	128 MB
	POWER SOURCE	AC 220 V to 240 V 50/60Hz
	WIRELESS NETWORK SECURITY	WEP 64/128 bit, WPA-PSK (TKIP/AES), WPA2- PSK (AES)
	Additional Features	Comes with extra 2 sets of inks aside from the included stock ink With 1 year warranty
		4x 140 Watts RMS Class D power output
2	1. Four Zone Matrix Power Amplifier with input routing	"140W RMS * (Can direct drive 4 ohm, 8ohm or 70/100V systems selectable per zone) 140W into 8 ohm/70V. 120W into 100V, 95W into 4 ohm. " 5 comprehensive audio input channels
		Remote volume control capability using module and standard ethernet cable
	Inputs	CH1/2 balanced XLR/6.3mm jack combi socket, CH3/4 L&R balanced 3.5mm Euroblock, CH5 3.5mm stereo aux and stereo RCA
	Outputs	4 zone power amp outputs via 5.08mm Euroblock
	Indicators:	Power/Standby, Input signal present and peak LEDs, Output signal present and clip LEDs
	Controls:	Adjustable gain control for each input; source select and volume control for all zones
	Crosstalk:	< -95dB between channels, maximum volume
	Frequency Response:	20-20kHz ±0.1dBu (LoZ Mode), 80-20kHz ±0.1dBu (HiZ Mode)
	THD+N:	<0.01% @0dBu in, mid volume; <0.008% @+6dBu in, maximum volume
	S/N:	>110dB
	Noise Floor:	< -70dBu (unmuted), < -110dBu (muted)
	Lineout:	3.5mm Euroblock line level output that follows zone 1, useful for system expansion
	Other Controls:	CH1/2 mic/line level and phantom power; high and low impedance settings for all zones; power

	T	saving mode and front panel lock
	DSP:	ORIGIN advanced multicore platform
		Each zone has bass and treble shelving control
	EQ:	with a low pass filter mode; switchable high pass
		filter on CH1/2
		Balanced 3.5mm Euroblock connector,
	Emergency Override:	overriding the normal inputs
		27W Idle, 300W Typical, 450W Max, 0.4W
	Power Consumption:	Standby, Universal ~100-240V worldwide
	-	operation
		Rack mounting kit, Euroblock connectors (4x
	Accessories:	3.5mm 3 way, 2x 3.5mm 5 way, 2 x 5.08mm 6
		way), IEC mains lead, user manual
		Input Connector: RJ45 LAN connector for
		connection to zone amplifier
		(standard CAT5e cable)
	2 wall mounted volume	Output Connector: RJ45 LAN connector to
	controller and source selector	connect other wall controllers in a daisy chain
		(standard CAT5e cable)
		Controls: Volume and source control; mute
		switch; zone select DIP switch
		Controls: Push- or Lift-to-Talk Operation
	1 Paging Microphone	XLR Connection, Dynamic Capsule Requires No
		Power Source
•		1 Year Warranty for Amplifier
		Overvoltage protection
3		Servo-type AVR
		"On-call Technical Support, including
		weekends and holidays during the warranty period."
		User's training/ orientation on the operation of
		the equipment
	1. 20kVA, Three Phase, 400V,	VAT inclusive, Including labor, and shipping to
	60Hz Automatic Voltage	PSHS-MRC of the unit. Includes other materials
	Regulator	(Wiring for bringing power in and power out.
		etc) that may complete the installation and
		commissioning of the unit and operation of the
		elevator.
		Provides Two (2) years free warranty on the
		unit, including parts and labor.
		To be used for Schindler 3300 elevator.
	Input Voltage:	400VAC, +/- 15%, 3Ph, 60Hz, 3W+G
	Output Voltage:	400VAC, +/-1%, 3Ph, 60Hz, 3W+G
	Efficiency:	>98%
	Frequency:	50/60Hz. (Auto sensing)
	Overload Capacity:	150% @ 10sec.

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Operating Temp:	0-45degC
Response time:	0.1 sec
Distortion:	No distortion

VII. OTHER REQUIREMENTS

- 1. Warranty One (1) year on parts and service/labor with replacement by the supplier free of cost/charge for 13-inch Laptop, computer system unit (set), DSLR Camera Accessories (set), A3 Refill Ink Tank Multi-Function Center with Wireless & Ethernet Connectivity (set), Four Zone Matrix Power Amplifier with input routing (set).
- 2. Warranty Two (2) years on parts and service/labor with replacement by the supplier free cost/charge for 85-inch 4K Ultra HD TV (set), 75-inch 4K Ultra HD TV 9 (set), 20kVA, Three Phase, 400V, 60Hz Automatic Voltage Regulator (set).
- 3. Installation and testing of AVR.

4. AFTER SALES SERVICE

- a. Submission of Certificate of After Sales Service, Manpower Requirements and Availability of spare parts within the warranty period with the list of accredited services centers in the Philippines, indicating the address, telephone numbers and contact persons.
- 5. Original Warranty/Guarantee Certificates shall be issued in the name of PSHS-MRC.
- 6. Distributorship Agreement shall be provided for the legitimacy of the supplier.

VIII. DELIVERY SCHEDULE

- 1. Delivery Period: The Supply and Delivery of ICT Equipment must be delivered within **thirty (30) calendar days** upon the receipt of the Notice to Proceed (NTP).
- 2. Delivery Site: The ICT Equipment must be delivered at the address below:

PHILIPPINE SCIENCE HIGH SCHOOL MIMAROPA REGION CAMPUS

Brgy. Rizal, Odiongan, Romblon, 5505

3. Delivery 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.

IX. INSPECTION, TESTING AND ACCEPTANCE

1. After Sales Service and Support during the warranty period, all reported defects shall be completely/satisfactorily repaired/replaced by the winning bidder/supplier within 72

hours after receipt of a verbal and/or written notice from the PSHS-MRC.

- 2. The PSHS-MRC shall have the right to reject and return the unit and cancel the corresponding Contract if units delivered are defective, incomplete, or non-compliant to the specifications herein specified.
- 3. All costs of testing and installation (AVR) shall be for the account of the supplier.

X. TERMS OF PAYMENT

The payment shall be done within **fifteen (15) working days** upon receipt, inspection and acceptance of the ICT equipment, warranty certificates and other documents as may be required.

Prepared by:

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XI. REFERENCES (for sample purposes only)



