

February 14, 2023

## REQUEST FOR QUOTATIONS

The Philippine Council for Health Research and Development (PCHRD), through its Bids and Awards Committee (BAC), requests PhilGEPS registered suppliers to submit **quotations for the Supply and Delivery of Various IT Equipment (Portable Sound System, Seamless Video Switcher (HDMI Ports), Projector (Ultra-thin), Android Tablet, and unit Digital Camera) with a total approved budget for the contract (ABC) in the amount of Two Hundred Ninety Eight Thousand Pesos (P 298,000.00).**

### a. One (1) unit Portable Sound System

- Type: Portable PA System
- Speaker Drivers: 1 x 4" LF, 1 x 1" HF
- Number of Mixer Channels: 5
- Number of Mic Preamps: 2
- EQ: 7-band (Graphic)
- Inputs: 2 x XLR, 6 x 1/4", 1 x 1/4" (Headphones)
- Power Amp: 2 x 75W
- Total Power: 150W
- Frequency Response: 40Hz-25kHz
- Microphone: 1x
- Power Source: Standard IEC AC cable
- **ABC = PhP 40,000.00**

### b. One (1) unit Seamless Video Switcher (HDMI Ports)

- Input:
  - Number of Video Input Sources: 3
  - Video Inputs:
    - 1 x HDMI (HDMI 2.0) Female
    - 2 x HDMI Female
  - Input Video Format:
    - HDMI
    - UHD 4K at 60 fps
    - HDMI
    - 1080p at 60 fps
  - Audio Inputs:
    - 1 x 1/4" TRS
    - 1 x 2RCA Stereo
  - Embedded Audio Input: HDMI
- Output:
  - Video Outputs:
    - 1 x HDMI (HDMI 2.0) Female (Loop Output)
    - 1 x HDMI Female (Preview)
  - Output Video Format:
    - RJ45
    - 1080p at 30 fps
    - 720p 30/60 fps
    - HDMI

- UHD 4K
  - HDMI
  - 1080p
- Audio Outputs: 1 x 1/8" / 3.5mm TRS
- Embedded Audio Output: HDMI
- Connectivity:
  - Other I/O: 2 x Unspecified Interface
  - HDCP Support: None
  - Simultaneous Streams: 2 streams
- Hardware:
  - OS Compatibility: iOS 11 or Later
  - Wi-Fi: None
  - Bluetooth: None
  - Power I/O: 1 x IEC C14 Input
- **ABC = PhP 48,000.00**

**c. Two (2) units Projector (Ultra-thin)**

- Technology:
  - Projection System: 3LCD Technology, RGB liquid crystal shutter
  - LCD Panel: 0.59 inch with C2 Fine
- Image:
  - LUMENS: 3500 lumens
  - Resolution: WXGA, 1280 x 800, 16:10
  - High Definition: HD ready
  - Aspect Ratio: 16:10
  - Contrast Ratio: 10.000:1
  - Light Source: Lamp
  - Lamp: 206 W, 4.000 h durability, 7.000 h durability (economy mode)
  - Keystone Correction: Auto vertical:  $\pm 30^\circ$ , Manual horizontal:  $\pm 30^\circ$
  - Colour Processing: 10 Bits
  - 2D Vertical Refresh Rate: 100 Hz – 120 Hz
  - Colour Reproduction: upto 1.07 billion colours
- Optical
  - Projection Ratio: 1.04 – 1.26:1
  - Zoom: Manual, Factor: 1 – 1.2
  - Image Size: 30 inches – 300 inches
  - Projection Distance Wide: 0.7 m – 6.8 m
  - Projection Distance Tele: 0.8 m – 8.2 m
  - Projection Distance Wide/Tele: 1.35 m – 1.62 m (60 inch screen)
  - Projection Lens F Number: 1.58 – 1.7
  - Focal Distance: 13.52 mm – 16.22 mm
  - Focus: Manual
  - Offset: 10:1
- Connectivity:
  - USB Display Function: 3 in 1: Image / Mouse / Sound
  - Interfaces: USB 2.0 Type A, USB 2.0 Type B, VGA in, HDMI in, Composite in, Stereo mini jack audio in, MHL, Wireless LAN IEEE 802.11b/g/n (WiFi 4), Wireless LAN b/g/n (2.4GHz)
- General:
  - Energy Use: 277 W, 200 W (economy), 0,34 w (standby)
  - Supply Voltage: AC 100V – 240V, 50 Hz – 60 Hz
  - Product Dimensions: 292 x 213 x 44 mm (With x Depth x Height)
  - Product Weight: 1.8 kg
  - Noise Level: Normal: 39 dB (A) – Economy: 30 dB (A)

- TCO Certified: Yes
- Other:
  - Warranty: 60 months Carry in, Lamp: 60 months or 1.000 h
- **ABC = PhP 90,000.00**

**d. Three (3) units Android Tablet**

- Standing screen display size: 10.1 Inches (25.7 cm)
- Screen Resolution: 1920 x 1200 pixels
- Max Screen Resolution: 1920 x 1200
- Processor: 1.6 GHz
- RAM: 4 GB DDR3 SDRAM
- Hard Drive: 128 GB
- Graphics Coprocessor: MTK
- Average Battery Life (in hours): 8 Hours
- Series: 2023 Latest Stable Android 11.0 Tablet
- Item model number: 2023 Latest Stable Android 11.0 Tablet
- Hardware Platform: Android
- Operating System: Android
- Item Weight: 1.1 pounds (0.5 kg)
- Product Dimensions: 9.84 x 7.09 x 0.39 inches (25 x 18 x 1 cm)
- Item Dimensions LxWxH: 9.84 x 7.09 x 0.39 inches (25 x 18 x 1 cm)
- Color: Any Color
- Rear Webcam Resolution: 13 MP
- Processor Brand: ARM
- Computer Memory Type: DDR3 SDRAM
- Flash Memory Size: 128 GB
- Series: 2023 Latest Stable Android 11.0 Tablet
- Memory Storage Capacity: 64 GB
- Screen Size: 10.1 Inches (25.7 cm)
- Display Resolution Maximum: 1920 x 1200
- **ABC = PhP 72,000.00**

**e. One (1) unit Digital Camera**

- Image Sensor Type: 1.0 type stacked CMOS
- Effective Pixels: Approx. 20.1M (Aspect ratio 3:2)
- Total Pixels: Approx. 20.9M
- Colour Filter Type: Primary Colour
- Image Processor: Type: DIGIC 8
- Lens:
  - Focal Length: 8.8 – 36.8 mm (35 mm equivalent: 24 – 100 mm)
  - Zoom:
    - Optical: 4.2x
    - ZoomPlus: 8.4x
    - Digital: Approx. 4x (with Digital Tele-Converter approx. 1.6x – 2.0x)
    - Combined: Approx. 17x
  - Maximum f/number: f/1.8 – f/2.8
  - Construction: 11 elements in 9 groups (1 double sided aspherical lens, 1 single sided aspherical UA lens, 1 single sided aspherical lens and 1 UD lens)
  - Image Stabilization: Yes (lens shift-type), approx. 4-stop. Intelligent IS with 5-axis Advanced Dynamic IS & Auto Level

- Focusing:
  - Type: TTL
  - AF System / Points: AiAF (31-point, Face Detection or Touch AF with Object and Face Select and Track), 1-point AF (any position is available or fixed centre)
  - AF Modes: Single, Continuous, Servo AF/AE, Touch AF
  - AF Point Selection: Size (Normal, Small)
  - AF Lock: Yes, via customizable buttons
  - AF Assist Beam: Yes
  - Manual Focus: Yes, plus MF Peaking
  - Focus Bracketing: Yes
  - Closest Focusing Distance:
    - 5 cm (Wide) from front of lens
    - 40 cm (Tele) from front of lens
- Exposure Control:
  - Metering Modes: Evaluative (linked to Face Detection AF frame), Centre-weighted average, Spot
  - AE Lock: Yes
  - Exposure Compensation:
    - +/- 3 EV in 1/3 stop increments
    - Auto Lighting Optimizer
    - ND Filter (3-stop) On / Auto / Off
  - AEB: 1/3 – 2 EV in 1/3 stop increments
  - ISO Sensitivity:
    - 125, 160, 200, 250, 320, 400, 500, 640, 800, 1000, 1250, 1600, 2000, 2500, 3200, 4000, 5000, 6400, 8000, 10000, 12800 (Expanded: 25600)
    - AUTO ISO: 125 - 12800 (possible to set Max. ISO speed and rate of change)
- Shutter:
  - Speed:
    - 1 – 1/2000 s (factory default)
    - 30 - 1/25600 s (electronic shutter)
    - 1/8 - 1/2000 s (Movie Mode)
    - BULB, 30 – 1/2000 s (total range – varies by shooting mode)
- White Balance:
  - Type: TTL
  - Monitor: Tilt type 7.5 cm (3.0”) Touchscreen LCD (TFT). 3:2 aspect ratio. Approx. 1,040,000 dots. Capacitive type, sRGB colour reproduction
  - Coverage: Approx. 100%
  - Brightness:
    - Adjustable to one of five levels
    - Night Display Mode available
- Flash:
  - Modes: Auto, Manual Flash On / Off, Slow Synchro
  - X-Sync Speed: Yes. Fastest speed 1/2000 s
  - Red-Eye Reduction: Yes
  - Flash Exposure Compensation: +/- 2 EV in 1/3 stop increments. Face Detection FE, Safety FE
  - Flash Exposure Lock: Yes
  - Manual Power Adjustment: 3 levels with internal flash
  - Second Curtain Synchronization: Yes
  - Built-in Flash Range: 50 cm – 7.0 m (W) / 40 cm – 4.0 m (T)
  - External Flash: Canon High Power Flash HF-DC2

- Shooting:
  - Power Supply & Battery Chargers:
    - USB Power Adapter PD-E1
    - Battery Charger CB-2LHE
    - Rechargeable Li-ion Battery NB-13L
- Other: Interface Cable IFC-100U
- **ABC = PhP 48,000.00**

Qualified bidders should submit their quotations to the address below **on or before February 21, 2023 (Tuesday), 10:00 AM**. Failure to strictly comply with the deadline and general conditions shall automatically disqualify the bidder/s from the bidding process. Winning bidder will be required to submit additional requirements as stipulated in the IRR of RA 9184.

PCHRD reserves the right to reject any or all quotations, to waive formality therein and to accept offers that may be considered most advantageous to the government.

For further information, please refer to:

**Mr. Cirio D. Pangan Jr.**

Secretariat, Bids and Awards Committee

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