



TERMS OF REFERENCE

PROCUREMENT OF ICT EQUIPMENT

I. RATIONALE

The Philippine Science High School – Zamboanga Peninsula Region Campus (PSHS-ZRC) as growing campus continues to adhere to its vision to prepare scholars to become globally competitive Filipino scientists. In doing so, PSHS-ZRC commits to provide state of the art facilities especially in the field of interconnectivity and computer technology.

Through the approved allocation for the capital outlays under General Appropriations Act 2021, PSHS-ZRC intends to apply the sum of TWO MILLION EIGHT HUNDRED THOUSAND PESOS (P2,800,000.00) as the approved budget for *The Supply, Delivery and Installation of ICT equipment -*

Rebid

II. OBJECTIVES

The project aims to:

- Increase productivity and efficiency through the availability of high-end facilities.
- Enhance the delivery of instructions through the use of ICT equipment.

III. Technical Specifications

| I Lot | Supply, Delivery and Installation of ICT Equipment-Rebid | | P 2,800,000.00 | |
|----------|--|---|---------------------|---|
| Item No. | Unit | Specification/Description | Qty | |
| 1 | Unit | <p>DESKTOP DOCUMENT CAMERA WITH OPTICAL ZOOM (Branded)</p> <p>EFFECTIVE PIXELS at least 2MP (1920 x 1080 pixels) CAMERA SENSOR at least 1/2.7 inch CMOS Sensor FRAME PER SECOND at least 30fps OUTPUT RESOLUTION at least 1080p resolution DISPLAY OUT SXGA (1280 x 1024) / XGA (1024 x 768) / WXGA (1280 x 800) / HD (1360 x 768) / 1080p (1920 x 1080) ZOOM at least 10x for Digital and 12x for optical MICROPHONE Built-in AV RECORDING Built-in SD CARD SLOT Built-in HDMI 480p / 720p / 1080p USB-B VGA / SVGA / XGA / SXGA / WXGA / 720p / 1080p WARRANTY At least 18 months warranty for parts and labor</p> | Supply and Delivery | 8 |
| 2 | Unit | <p>DSLR CAMERA</p> <p>MEGAPIXEL & SENSOR 24.2MP APS-C CMOS Sensor LENS Kit Lens 18-55mm LCD SCREEN 3" Rear Touchscreen Swivel LCD (1,040,000) VIDEO RECORDING 1920 x 1080p at 59.94 fps (60 Mbps MP4 via H.264); 1920 x 1080p at 23.98, 29.97 fps (30 Mbps MP4 via H.264); 1920 x 1080p at 29.97 fps (12 Mbps MP4 via H.264); 1280 x 720p at 59.94 fps (26 Mbps MP4 via H.264); 1280 x 720p at 29.97 fps</p> | Supply and Delivery | 1 |



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|---|------|---|-----------------------------------|----|
| | | <p>(4 Mbps MP4 via H.264); 640 x 480p at 29.97 fps (9 Mbps MP4 via H.264); 640 x 480p at 29.97 fps (3 Mbps MP4 via H.264); 1920 x 1080p at 29.97 fps (90 Mbps MOV via iFrame)</p> <p>FOCUS Auto; Manual; Continuous Auto ISO Auto, 100-25600 (Extended Mode: 100-51200) CONTINUOUS SHOOTING Up to 6 fps at 24.2 MP for up to 190 frames in JPEG format; Up to 6 fps at 24.2 MP for up to 21 frames in raw format; Up to 3 fps at 24.2 MP for up to 190 frames in JPEG format; Up to 3 fps at 24.2 MP for up to 21 frames in raw format SHUTTER SPEED 30 - 1/4000 Second , Bulb Mode TOUCH SCREEN Yes WIRELESS FUNCTIONS Wi-Fi / NFC and Bluetooth Low Energy VIEWFINDER Eye-level pentamirror FILTER SIZE Front: 58 mm FOCAL LENGTH 18 - 55mm; Comparable 35mm Focal Length: 28.8 - 88 mm APERTURE Maximum: f/4 - 5.6 CARD SLOT SD / SDHC* / SDXC* memory cards * UHS-I cards supported COLOR Black WARRANTY At least 18 months warranty BATTERY (2 pcs) LP-E17 Rechargeable Lithium-Ion Battery Pack, 7.2 VDC, 1040 mAh</p> | | |
| 3 | Set | <p>SMALL FORM FACTOR DESKTOP PC AND LED MONITOR (Branded)</p> <p>At least 9th Generation 4 Cores processor with at least 2.6 GHz with a thermal design power that does not exceed 65 watts and supports hyper-virtualization</p> <ul style="list-style-type: none"> - At least 2GB Dedicated Graphics Card - Pre-installed 64-bit Operating System (Preferably Windows 10 Pro Operating System) - At least 4 GB DDR4 memory, Up to 16GB - At least 256GB SSD - Gigabit Ethernet 10 / 100 / 1000 - Front I/O ports: USB 3.1 Gen I and 2.0, USB Type C - Rear I/O ports: USB 3.1 Gen I and 2.0, HDMI, DVI-I / DVI-D, VGA, RJ45, Speaker and Mic jacks - With USB Keyboard and USB Optical Mouse - At least 20" LED Monitor with at least 1920 x 1080 resolution, VGA and DVI-D/HDMI/ Display port compatible - AVR - Power Supply: Rating 80+ bronze minimum (non-generic) - Hard disk shall be formatted in the manner of 40% for the system disk and 60% data disk. - At least 18 months on desktop and 3 years for monitor (warranty) | Supply, Delivery and Installation | 15 |
| 4 | Unit | <p>LAPTOP – Branded (for Faculty and Staff)</p> <p>PROCESSOR At least 8 Cores with 16 Threads 4800H Processor (up to 4.2GHz) or equivalent OPERATING SYSTEM Pre-installed 64-bit Operating System (Preferably Windows 10 Pro Operating System) MEMORY At least 8GB DDR4 On-board memory DISPLAY 15.6" 144Hz Full HD IPS-Type,</p> | Supply and Delivery | 20 |



| | | | | |
|---|------|--|---------------------|---|
| | | <p>GRAPHIC At least 6GB GDDR6 with 12Gpbs Memory Speed and 1770 MHz Boost Clock</p> <p>STORAGE 512GB PCIe SSD</p> <p>OPTICAL DRIVE Super Multi DVD (optional)</p> <p>CARD READER Multi-format card reader (SD/SDXC)</p> <p>WEBCAM VGAWebcam HD 720p CMOS module</p> <p>NETWORKING Integrated Wi-Fi 5 (802.11 ac) Bluetooth -Bluetooth® 4.2</p> <p>AUDIO Built-in 2 W Stereo Speakers with Microphone</p> <p>ACCESSORIES Backpack Bag, USB Optical Mouse</p> <p>WARRANTY At least 24 months Warranty for parts and labor</p> | | |
| 5 | Unit | <p>LAPTOP- Branded (for Journalism, Technology Teachers, MIS Coordinator & ISA)</p> <p>PROCESSOR At least 8 Cores with 16 SMT/Hyperthreading 4800HS Processor (8M Cache, up to 4.4GHz (Turbo)) or equivalent</p> <p>GRAPHICS At least 6GB GDDR6 with 12Gpbs Memory Speed and 1770 MHz Boost Clock Max-Q 6GB GDDR6</p> <p>STORAGE 512GB PCIe NVMe M.2 SSD</p> <p>MEMORY 16GB DDR4 3200MHz RAM</p> <p>OPERATING SYSTEM Pre-installed 64-bit Operating System (Preferably Windows 10 Pro Operating System)</p> <p>DISPLAY Size: at least 15.6 " 144Hz Full HD IPS-Type,</p> <p>OPTICAL DRIVE Super Multi DVD (optional)</p> <p>CARD READER Multi-format card reader (SD/SDXC)</p> <p>WEBCAM VGAWebcam HD 720p CMOS module</p> <p>EXTRA CONNECTIVITY Gig+ Wi-Fi 6 (802.11ax) USB Type-C Charging Capable</p> <p>ACCESSORIES Backpack Bag, USB Optical Mouse</p> <p>WARRANTY At least 24 months Warranty for parts and labor</p> | Supply and Delivery | 6 |

IV. Other Requirements

1. The bidder must submit original brochure or actual image of **ALL** deliverables including specifications *during bid submission*.
2. Within the warranty period, repairs should be done within the campus.
3. The bidder must provide at least one (1) copy of the technical manual/documentation (English) in printed hard copy and electronic (soft
4. Render support services to PSHS-ZRC within the warranty period as follows:
 - a. Technical support will be provided through phone calls or email within regular working hours from Monday to Friday, 8:00AM to 5:00PM
 - b. If the supplied equipment is found defective and need to be pulled-out, the contractor shall provide replacement with the same or higher specifications.
 - c. Rectify and or/replace any part that fail to pass any test/inspection or make alteration necessary to meet the specification.
5. Delivery period will be within 120 days
6. The bidder must be at least five (5) years in the business.



V. ELIGIBILITY AND TECHNICAL COMPONENTS

CLASS "A" DOCUMENTS

PhilGEPS Certificate of Registration and Membership in accordance with Section 8.5.2 of the IRR

Statement of the prospective Bidder of all its on-going government and private contracts including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid, and

Statement of the bidder's SLCC similar to the contract to be bid, in accordance with ITB Clause 5.4, within the relevant period as provided in the **BDS**.

The two (2) statements required shall indicate for each contract the following:

- (a) Name of the contract;
- (b) Date of the contract;
- (c) Contract duration;
- (d) Owner's name and address;
- (e) Kinds of Goods;
- (f) For Statement of On-going Contracts – amount of contract and value of outstanding contracts;
- (g) For Statement of SLCC – amount of completed contracts, adjusted by the Bidder to current prices using PSG's consumer price index, if necessary, for the purpose of meeting the SLCC requirements;
- (h) Date of delivery; and
- (i) End-user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements

NFCC computation in accordance with ITB Clause 5.5 or a committed Line of Credit from a universal or commercial bank.

(Attach: latest audited financial statements stamped "received" by the BIR which should not be earlier than two (2) years from the date of bid submission).

CLASS "B" DOCUMENTS

If applicable, the Joint Venture Agreement (JVA) in case the joint venture is already in existence, or duly notarized statements from all the potential joint venture partners in accordance with Section 23.1L(b) of the IRR

TECHNICAL DOCUMENTS

The Bid Security or Bid Securing Declaration in accordance with ITB Clause 18.

Conformity with technical specifications, as enumerated and specified in Sections VI and VII of the Bidding Documents.

Sworn statement in accordance with Section 25.3 of the IRR of RA 9184 and using the form prescribed in Section VIII. Bidding Forms.

Bidder must have been engaged in the business of Supply, Delivery and Installation of ICT Equipment – Rebid in good standing in the Philippines for at least five (5) years from the date of the invitation to bid.



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