



TERMS OF REFERENCE FOR THE PROCUREMENT OF COMPUTERS AND COMPUTER PERIPHERALS

I. Background

The Philippine Science High School is mandated by the government to provide secondary education with emphasis on science and technology with the aim of preparing its students for STEM-related careers. The curriculum was design to equip students with the knowledge, skills, and attitude that are deemed to be essential in preparing for a STEM-related career. This aim is realized when instruction is aided with appropriate educational tools and equipment needed in its implementation.

II. Rationale

The school takes its part in the holistic growth of our scholars. One major responsibility is to provide students with educational tools and equipment for them to learn better. With the increase of infrastructures in the campus, ICT equipment are necessary to ensure that all students will have equitable access to quality curriculum and instruction that the PSHS System envisions to all of its scholars. These are also very necessary in some paper works for administrative purposes.

III. Scope and Specifications

The supplier must be able to provide the following. Below are the technical specifications the supplier must be able to comply with:

Quantity	Item	Unit Cost	Total Cost
3	<p>Laptop (Minimum Specifications) Processor: Intel Core i7-10510U RAM: 8GB DDR4-2666 SDRAM (1X8GB) Storage: 1TB 5400 rpm SATA HDD+256 GB SSD OS: Windows 10 Batt: 3-cell, 41wh li-on LCD: 35.6 cm (14") Diagonal, HD (1366x768), multitouch-enabled, edge-to-edge glass, micro-edge, 220 nits, 45%NTSC Graphics: Nvidia MX250 2GB WLAN: MU-MIMO Supported Bluetooth: Yes Ports: 1 x SuperSpeed USB Type-C 5Gbps signaling rate; 2 x SuperSpeed USB Type-A 5Gbps signaling rate; 1 x headphone/microphone combo; 1 x AC smart pin; 1x HDMI 1.4 Card Reader: 1 multi-format SD media card reader Audio: Dual Speaker B&O Perpetual Licensed Win 10 Home SL 64Bit with Perpetual Licensed Microsoft Office for Home and Student 2019</p>	P70,000.00	P210,000.00



12	<p>Set of Personal Computer (Minimum Specifications)</p> <p>1. System unit</p> <ul style="list-style-type: none"> - CPU: Intel Core i7 Processor 10700 - RAM: 8GB DDR4 Memory - HD: 1TB Hard Drive + 256GB SSD - Graphics: NVIDIA GeForce GT1030 with 2GB DDR5 (supporting: DVI-D, HDMI) - Audio: Integrated high-definition, 5.1-channel surround sound - Networking: WLAN: 802.11ac/a/b/g/n wireless LAN and Bluetooth 4.2 LAN: Gigabit Ethernet -Front/Side/I/O connectors <ul style="list-style-type: none"> • Audio jack: 2 • USB 3.1 Gen 1 port(s): 1 • USB Type-CTM port(s): 1 Port 1 – USB 3.1 Gen 1 (up to 5Gbps): 1 -Rear I/O connectors HDMI Port(s): 2(out) LAN port(s): 1 Audio jack(s): 3 USB 2.0 port(s): 2 USB 3.1 Gen 1 port(s): 4 -Expansion Slot: <ul style="list-style-type: none"> • Number of PCIe x16 slot(s): 0 • Number of PCIe x1 slot(s): 1 • M.2 slot (for SSD): 1 - Power Supply : 300W -USB Wired Keyboard and Wired Mouse <p>2. Monitor K242HQL bid Size: 23.6" Input: VGA + DVI + HDMI Max Res: 1920x1080@60Hz Technology: VA Colors: 16.7 Million Glare: None Response Time: 5 ms With VGA and HDMI cables</p> <p>3. Keyboard - USB Connectivity</p> <p>4. Optical Mouse - USB Connectivity</p> <p>5. AVR - 500 watts minimum</p> <p>Perpetual Licensed Win 10 Home SL 64Bit with Perpetual Licensed Microsoft Office for Home and Student 2019</p>	P77,000.00	924,000.00
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4	<p>Multi Function Printer (minimum specification) -Print, Scan Copy and Fax, Wi-Fi Duplex All-in-One Ink Tank Printer with ADF -Printing Technology: Precision Printhead -nozzle configuration: 400 nozzle black, 128 nozzles per colour (C,Y,M) -maximum resolution: 4800x1200 dpi -Printing speed (black & Colour): Up to 33ppm / 20 ppm -ISO 24734 simplex: Up to 15 ipm / 8.0 ipm, duplex 6.5 ipm / 4.5 ipm Copy: -Speed: Simplex UP to 11 ipm(black) / 5.5 ipm (Colour) -Resolution: 600x1200 dpi Scan: Monochrome 200dpi: 12sec/5.0 ppm Coulour 200dpi: 12 sec /5.0 ppm Interface: USB: 2.0, WIFI Direct Automatic 2-sided Printing: Yes (up to A4)</p>	P23,300.00	P93,200.00
1	<p>Multi Function Laser Printer (minimum specification) - Functions: Print, copy, scan Multitasking supported: Yes Print speed black: Normal: Up to 28 ppm First page out (ready): Black: As fast as 6.4 sec Duty cycle (monthly, A4): Up to 30,000 pages Recommended monthly page volume: 250 to 2,500 Print technology: Laser Print quality black (best): Up to 1200 x 1200 dpi Wireless capability: No Connectivity, standard: 1 Hi-Speed USB 2.0 1 Ethernet 10/100Base-TX Network ready: Standard (built-in Ethernet) Minimum system requirements :Windows: 10, 8.1, 8, 7: 32-bit/64-bit, 2 GB available hard disk space, CD-ROM/DVD drive or Internet connection, USB port Paper Scanner specifications Scanner type: ADF, Flatbed Scan file format : JPG, RAW (BMP), PNG, TIFF, PDF Scan resolution, optical: Up to 300 dpi (colour and monochrome, ADF); Up to 600 dpi (colour, flatbed); Up to 1200 dpi (monochrome, flatbed) Scan size, maximum: 215.9 x 297 mm Scan size (ADF), maximum: 215.9 x 355.6 mm Scan size (ADF), minimum: 148.5 x 210 mm Scan speed (normal, A4): Up to 15 ppm Duplex ADF scanning: No</p>	P20,400.00	P20,400.00



	<p>Automatic document feeder capacity:35 sheets</p> <p>Copier specifications Copy speed (normal): Black: Up to 28 cpm Copy resolution (black text): 600 x 600 dpi Copy reduce / enlarge settings : 25 to 400% Copies, maximum: Up to 99 copies</p> <p>Power: Input voltage: 220 to 240 VAC (+/- 10%), 50/60 Hz, 3.3 A</p>		
1	<p>All-in-One Ink Tank Printer A3+ Printer, Scanner, Copier, Fax Duplex, Wi-Fi, USB, LAN</p> <p>Printer Type: Print, Scan, Copy, Fax with ADF Print Method: Precision Core™ Printhead Minimum Ink Droplet Volume: 3.8 pl Print Direction: Bi-directional printing Nozzle Configuration :800 x 1 nozzles Black, 256 x 1 nozzles per colour (Cyan, Magenta, Yellow) Maximum Resolution: 4800 x 2400 dpi Automatic 2-sided Printing: Yes (up to A3)</p> <p>Copy Function: Reduction / Enlargement:25 - 400% Maximum Copy Size: A3 Copy Resolution:600 x 600 dpi Max Copies:999 copies</p> <p>Scan Function: Scanner Type:Flatbed colour image scanner Sensor Type:CISOptical Resolution:1200 x 2400 dpi Maximum Scan Area:297 x 431.8 (mm) Scanner Bit Depth (Colour):48-bit input, 24-bit output Scanner Bit Depth (Grayscale):16-bit input, 8-bit output Scanner Bit Depth (Black & White):16-bit input, 1-bit output</p>	P52100.00	P52100.00



	<p>Supported OS and Applications:</p> <p>Windows XP / Vista / 7 / 8 / 8.1 / 10, Windows Server 2003 / 2008 / 2012 / 2016 / 2019</p> <p>Mac OS X 10.6.8 or later</p> <p>Interface:</p> <p>USB:USB 2.0</p> <p>Network:Ethernet, Wi-Fi IEEE 802.11 b/g/n, Wi-Fi Direct</p> <p>Network Protocol:TCP/IPv4, TCP/IPv6</p> <p>Network Management Protocols:SNMP, HTTP, DHCP, BOOTP, APIPA, PING, DDNS, mDNS, SNTP, SLP, WSD, LLTD</p>		
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The expected date of delivery is within 30 calendar days upon issuance of Notice to Proceed.

IV. Approved Budget for Contract

The approved budget for the purchase of ICT tools and equipment is P1,299,700.00

V. Evaluation and Selection of Criteria

Proposal with the lowest calculated and responsive bid with complete documents shall be accepted.

VI. Payment Scheme

The PSHS-CBZRC will not provide advance payment. Full payment shall be made 30 days after delivery.

Prepared by:


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 Information Systems Analyst 1

Recommending Approval:


JONI M. ALBARICO
 CID Chief



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

PHILIPPINE SCIENCE HIGH SCHOOL - CALABARZON REGION CAMPUS



Certificate No.: SCP000240Q

Certified funds available:


ARNEL E. AGUILA/CRISPINA ROWENA M. MAQUIMOT
Budget Officer II/Accountant II

Recommending Approval:


MA. THERESA P. PAGULAYAN
Chief, Finance and Administration Division

Approved:


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Director III