



ASTI-FM 03-10  
REV 3/13 January 2020

**DOST-ASTI Bids and Awards Committee  
REQUEST FOR QUOTATION**

<b>Kind of Procurement Activity:</b>	Negotiated Procurement: Small-value Procurement		
<b>Deadline of Submission of Bids:</b>	Sep-02-2020, 2:00 PM		
<b>RFQ No.:</b>	20-08-3194	<b>Date:</b>	August-27-2020
<b>PR No.:</b>	ULAT-20-08-10169	<b>Date:</b>	August-10-2020

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the item/s listed below. As such, suppliers, contractors, or distributors are invited to submit their quotation/s duly signed by authorized representative. Prospective bidder/s who will submit a proposal with the single/lowest calculated and responsive quotation shall be selected. Guidelines on the format and eligibility documents are listed at the box below the item/s to be procured.

Quotations may be sent via **a)** electronic mail at bac-sec@asti.dost.gov.ph, **b)** fax message, or **c)** delivering documents to the BAC Secretariat. For further inquiries, you may contact +63 2 249-8500 local 1206/1212 or +63 2 426-7423.

Thank you.

Respectfully,

**PEDRITO B. MANGAHAS**  
Chairperson, BAC-1

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p><b>Jumper Wires</b></p> <p>A) Male to Female Jumper Wires (300 pc) They have 0.1" male header contacts on one end and 0.1" female header contacts on the other. They fit cleanly next to each other on standard-pitch 0.1" (2.54mm) header</p> <p>B) Female to Female Jumper Wires (300 pc) They have 0.1" sockets on either end and fit cleanly next to each other on standard-pitch 0.1" (2.54mm) header</p> <p>C) Male to Male Jumper Wires (300 pc) 1x12' (300mm) length/ They have 0.1" male header contacts on either end and fit cleanly next to each other on standard-pitch 0.1" (2.54mm) header</p> <p>Notes: 1. Amount should be inclusive of taxes, delivery and other fees. 2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP). 3. Full payment will be given once the items were delivered.</p>	1	lot	14400.00	14,400.00
2	<b>Oscilloscope Probes</b>	8	pc	590.00	4,720.00

	<p>General Specifications:</p> <ul style="list-style-type: none"> <li>- Connection Type: 3.5 mm</li> <li>- Tip Type: Sprung Hook</li> <li>- Color: Black</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>				
3	<p><b>Thermal IR Measuring Sensor</b></p> <p>Absolute Maximum Temperature Measurement: +260 °C  Temperature Scale: Centigrade, Fahrenheit  Absolute Minimum Temperature Measurement: -50 °C  Distance to Spot Ratio: 12:1  Best Accuracy: ±1 %  Emissivity: 0.95  Resolution: 0.1 °  Response Time: &lt;150 ms  Power Supply: 9V Battery powered  Relative humidity range: 0-100%RH  Display: LCD backlight  With LED mildew indicator  Auto power-off function</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	2	pc	5358.00	10,716.00
4	<p><b>Micro HDMI to VGA adaptor, male-female</b></p> <p>Type: HDMI  Converts From Type: HDMI  Converts To Type: VGA  Converts From Gender: Male  Converts to Gender: Female</p> <ul style="list-style-type: none"> <li>- Plug and Play, no configuration needed</li> <li>- Built In active IC chip improves compatibility</li> <li>- Durable ABS construction</li> <li>- Gold plated connectors</li> <li>- Supports 1080p and 720p resolutions</li> <li>- Compatible with Raspberry Pi HDMI output port</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	6	pc	367.82	2,206.92
5	<p><b>USB Type A to Type A cable, 1 meter</b></p> <p>Length: 1m</p>	6	pc	284.51	1,707.06

	<p>Connector A: Male USB A  Connector B: Male USB A  USB Type: USB 2.0</p> <ul style="list-style-type: none"> <li>- Cable flex has copper wire conductors and drain wire</li> <li>- Hi-speed USB revision 2.0</li> <li>- The connectors are nickel and have a strain relief to help avoid the cable splitting around the edge of the boot.</li> <li>- A black PVC jacket and connector hoods</li> <li>- Diameter: 4mm</li> <li>- No additional adapter is required providing a direct connection</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>				
6	<p><b>Embedded Module power supply</b>  Type: Power Supply  Plug Type: Type A  Output Voltage: 5.1 V dc  Input Voltage: 100 V ac, 110 V ac, 115 V ac, 120 V ac, 127 V ac, 220 V ac, 230 V ac, 240 V ac  Output Current: 3A  Maximum Temperature: +40 deg Celsius  Output Connector: USB Type C  Input Connector: US Plug  Power Rating: 15.3 W  Compatible with Raspberry Pi 4 Model B</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	6	pc	819.62	4,917.72
7	<p><b>Micro HDMI to HDMI, 1 meter</b>  Cable Type: HDMI to HDMI  Length: 1m  Connector A Type: Micro HDMI  Connector B Type: HDMI  Connector A Gender: Male  Connector B Gender: Male</p> <p>High-performance HDMI cable supports 3D, 4K, 2K, 17.8Gbps, 2160P/60Hz and X.V.colour.  Compatible with Raspberry Pi 4 Model B board.</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were</li> </ol>	6	pc	512.26	3,073.56

	delivered.				
8	<p><b>Embedded Module</b></p> <ul style="list-style-type: none"> <li>- 72Mhz 32-bit processor</li> <li>- USB 2.0 full speed device (USB-A/Mini cable included)</li> <li>- Field upgradeable software</li> <li>- Supports these major OBD protocols:</li> <li>- CAN 2.0 (CAN/ISO15765)</li> <li>- K-line (ISO9141/ISO14230(KWP2000)/dual K line)</li> <li>- J2534 PassThru support with Windows DLL</li> <li>- Standalone datalogs to microSD / microSDHC card without a laptop</li> <li>- Able to apply GND or 5V-25V to OBD pins 1,3,9,11,12,13 or AUX 2.5mm stereo connector</li> <li>- Able to log from 2.5mm stereo MTS data bus</li> <li>- RGB status LEDs</li> <li>- Works with the latest software application version.</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	2	pc	14750.00	29,500.00
9	<p><b>Prototyping Soldering Materials for Lightning Detecting Station Prototype</b></p> <p>A) 1.2 mm diameter soldering lead ( 10 rolls)</p> <ul style="list-style-type: none"> <li>- Wire diameter: 1.2 mm</li> <li>- Percent Lead: 40%</li> <li>- Product Form: Wire</li> <li>- Melting Point: +183 deg. cel</li> <li>- Percent Tin: 60%</li> <li>- Flux Type: Rosin based</li> <li>- Product Weight: 250g</li> <li>- Flux Content Percent: 3%</li> </ul> <p>B) 0.7 mm diameter soldering lead (10 rolls)</p> <ul style="list-style-type: none"> <li>- Wire diameter: 0.7 mm</li> <li>- Percent Lead: 40%</li> <li>- Product Form: Wire</li> <li>- Melting Point: +183 deg. cel</li> <li>- Percent Tin: 60%</li> <li>- Flux Type: Rosin based</li> <li>- Product Weight: 500g</li> <li>- Flux Content Percent: 3%</li> </ul> <p>C) Soldering Flux (5 bottles)</p> <ul style="list-style-type: none"> <li>- Volume: at least 1 gallon</li> <li>- Type: Liquid</li> <li>- Properties: VOC Free</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	1	lot	85800.00	85,800.00

10	<p><b>ARM Development Board Kit</b></p> <ul style="list-style-type: none"> <li>- STM32F746ZGT6 216MHz Cortex-M7 core microcontroller with 1MB Flash memory, 320KB SRAM</li> <li>- Adaptive real-time accelerator (ART Accelerator™) allowing 0-wait state execution from Flash memory</li> <li>- LCD-TFT controller up to XGA resolution with dedicated Chrom-ART Accelerator™</li> <li>- 8- to 14-bit parallel camera interface up to 54MB/s</li> <li>- Full access to all GPIO with ST Zio connector (Arduino Uno v3 connectivity support)</li> <li>-ST morpho extension pin headers for access to all GPIO</li> <li>- ST-LINK/V2-1 debugger/programmer with SWD connector</li> <li>- Up to 25 serial communication interfaces: USART, IrDA, I<sup>2</sup>C, SPI, LIN, CAN, USB, I<sup>2</sup>S, SDIO, HDMI-CEC, S/PDIF-Rx, Ethernet</li> <li>- Flexible board power supply</li> <li>- USB OTG or FS Device with micro-AB connector</li> <li>- True random number generator</li> <li>- CRC calculation unit</li> <li>- RTC with subsecond accuracy and hardware calendar</li> <li>- 96-bit unique ID</li> <li>- 3 x LEDs: Power LED, USB communication, User LED</li> <li>- User and Reset pushbuttons</li> <li>- 32.768 KHz crystal oscillator</li> <li>- ARM Embed Enabled</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	3	kit	2570.00	7,710.00
11	<p><b>ARM Development Board Kit</b></p> <ul style="list-style-type: none"> <li>- 128-core NVIDIA Maxwell™ GPU</li> <li>- Quad-core ARM® A57 CPU</li> <li>4 GB 64-bit LPDDR4</li> <li>10/100/1000BASE-T Ethernet</li> <li>Micro-USB 5V 2A</li> <li>DC power adapter 5V 4A</li> <li>I/O</li> <li>USB 3.0 Type A</li> <li>USB 2.0 Micro-B</li> <li>HDMI/DisplayPort</li> <li>M.2 Key E</li> <li>Gigabit Ethernet</li> <li>GPIOs, I2 C, I2 S, SPI, UART</li> <li>MIPI-CSI camera connector</li> <li>Fan connector</li> <li>PoE connector</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were</li> </ol>	2	kit	7800.00	15,600.00

	delivered.				
12	<p><b>ARM Development Board Kit</b>  LEDs: 1 x USB, 1 x Power, 1 x User  Pushbutton: 1 x reset  Connectors: Board expansion connector for Arduino Nano  Power: T-LINK USB VBUS or external sources  Debugger/Programmer: ST-LINK/V2-1  Flash Memory: 32kB  Clock Speed: 32MHz</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).  3. Full payment will be given once the items were delivered.</p>	10	kit	1460.00	14,600.00
13	<p><b>In Circuit Debugger/ Programmer</b>  • 5V power via USB  • DFU (Direct Firmware Update) feature  • LED indicator when connected to your PC  • Operating temperature: 0 to +50 °C  • High isolation voltage: 2500 VRMS</p> <p>SWIM Features:  • 1.65 to 5.5 V  • SWIM low-speed and high-speed modes supported  • Programming speed: 9.7 Kbytes/s (low speed) and 12.8 Kbytes/s (high speed)  • SWIM cable for connection to the application via an ERNI standard vertical connector (ref: 284697 or 214017) or horizontal connector (ref: 214012)  • SWIM cable for connection to the application via a pin header or a 2.54mm pitch connector</p> <p>JTAG/SWD Features:  • 1.65 to 3.6 V  • 5 V tolerant inputs  • JTAG cable for connection to a standard JTAG 20-pin pitch 2.54 mm connector  • JTAG supported  • SWD and serial wire viewer (SWV) communication supported</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).  3. Full payment will be given once the items were delivered.</p>	3	unit	7000.00	21,000.00
14	<p><b>Wireless Expansion Board</b>  • Low-power 2.4GHz IEEE 802.11 b/g/n compliant transceiver  • RF Power Output: +13.7dBm @ 54Mbps OFDM  • Receiver Sensitivity: -74.5dBm @ 54Mbps OFDM  • 120MHz STM32F439 Cortex-M4F MCU with 2MB</p>	3	pc	2350.00	7,050.00

	<p>Flash memory, 256KB RAM</p> <ul style="list-style-type: none"> <li>• 19 x Configurable GPIO pins available</li> <li>• Host communication: serial UART, SPI</li> <li>• Secure OTA Firmware and FileSystem update</li> <li>• Chip antenna</li> <li>• Integrated TCP/IP protocol stack</li> <li>• 8 x simultaneous TCP or UDP clients and 2 x Socket servers</li> <li>• TLS/SSL Socket client supporting up to TLS 1.2</li> <li>• Web server supporting SSI</li> <li>• AT command set interface through UART</li> <li>• Security: Open, WEP, WPA2 PSK, WPA2 Enterprise, WPS</li> <li>• Dimensions: 26.92 x 15.24 x 2.35mm</li> <li>• MicroPython API library for access to WiFi subsystem resources and device peripherals (UART, SPI, I<sup>2</sup>C)</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>				
15	<p><b>RTC Module</b></p> <p>Size: 38mm (length) * 22mm (W) * 14mm (height)</p> <p>Operating voltage :3.3 - 5 .5 V</p> <p>Clock chip: high-precision clock chip DS3231</p> <p>Clock Accuracy :0-40 Degree range, the accuracy 2ppm, the error was about 1 minute</p> <p>Calendar alarm clock with two</p> <p>Programmable square-wave output</p> <p>Real time clock generator seconds, minutes, hours, day, date, month and year timing and provide valid until the year 2100 leap year compensation</p> <p>Chip temperature sensor comes with an accuracy of <math>\pm 3</math> Degree</p> <p>Memory chips: AT24C32 (storage capacity 32K)</p> <p>IIC bus interface, the maximum transmission speed of 400KHz (working voltage of 5V)</p> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	10	pc	150.00	1,500.00
16	<p><b>Comparator Module</b></p> <p>Form Factor: LM393</p> <ol style="list-style-type: none"> <li>1. increase the output current capacity, the output can drive the relay, LED and other equipment.</li> <li>2. a power indicator and output level indicator (the output is low indicator light, the output is high indicator light off), working status at a glance.</li> <li>3. super mini type: size only 33.3 * 20mm with a 31mm positioning hole.</li> <li>4. around the border with a circular design to prevent scratches.</li> </ol>	10	pc	170.00	1,700.00

	<p>Related parameters:</p> <ol style="list-style-type: none"> <li>1. the supply voltage DC 3-30V.</li> <li>2. the switch output: the output level is the supply voltage and zero volts</li> <li>3. the reference voltage adjustment range: minimum: 0V, the maximum: supply voltage.</li> </ol> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>				
17	<p><b>Comparator Module</b>  Type: Voltage Regulator  Application: Computer  Supply Voltage: 3.3 -5V  Form Factor: LM393 Extension Module  Package: SOP</p> <p>Features:</p> <ul style="list-style-type: none"> <li>-You can meet a variety of resistive sensors (e.g. photoresistor, thermistor, etc.). The sensor sensitivity is adjustable. Standard XH2.54 interface</li> <li>-Operating voltage: 3.3 V to 5 V in the form of the output: analog output.b: digital output, the output threshold.</li> <li>-Dimensions: Not larger than 30 mm * 14 mm</li> </ul> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	10	pc	65.00	650.00
18	<p><b>Comparator Module</b>  Form Factor: LM393</p> <ol style="list-style-type: none"> <li>1. Power supply voltage: 5-24V (specific supply voltage is determined by relay drive voltage)</li> <li>2. Output high and low level (output current is about 3-5MA)</li> <li>3. The output switch is the relay dry node (capacity is 10A maximum)</li> <li>4. Board size: at most length 64mm and width 21.5mm</li> </ol> <p>Notes:</p> <ol style="list-style-type: none"> <li>1. Amount should be inclusive of taxes, delivery and other fees.</li> <li>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</li> <li>3. Full payment will be given once the items were delivered.</li> </ol>	10	pc	280.00	2,800.00
19	<p><b>Transimpedance Amplifier Module</b>  Bandwidth: 240MHz  Output: Differential</p>	6	pc	2250.00	13,500.00



	<p>PWM: 500ps  RT/FT: 1.5ns  Power Consumption: 5V, 25mA  Peak Input Current: 350uA</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).  3. Full payment will be given once the items were delivered.</p>				
20	<p><b>Signal Amplifier Module</b>  Input voltage: 3-12VDC. (Bulk purchase can be customized)  Magnification: 1.5-1000 times adjustable, zero adjustable  Signal input voltage: 100uV - 300mV  Signal output range: ± (Vin-2V)  Negative voltage output: higher than -Vin. As the negative voltage chip output resistance problem, the actual output is higher than -Vin, the greater the load power, the greater the negative voltage drop.  Offset voltage: 50µV.  Input bias current: 1.0nA (max).  Common mode rejection ratio: 100 dB  Offset voltage drift: 0.6µV / ° (maximum).  Stability: 2µV / month maximum  Size: 32 * 22mm  Weight: 4g</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).  3. Full payment will be given once the items were delivered.</p>	10	pc	350.00	3,500.00
21	<p><b>Development Board</b>  LTC4162 Battery Charger Power Management Evaluation Board for Li-Ion</p> <ul style="list-style-type: none"> <li>-LiFePO4 Battery Charger with Termination</li> <li>-Wide Charging Input Voltage Range: 4.5V to 35V</li> <li>-High Efficiency Synchronous Operation</li> <li>-16-Bit Digital Telemetry System Monitors VBAT, IBAT, RBAT, TBAT, TDIE, VIN, IIN, VOUT</li> <li>-Charges 1-9 Lithium Iron Phosphate Cells</li> <li>-Input Undervoltage Charge Current Limit Loop</li> <li>-Input MPPT for Solar Panel Inputs</li> <li>-Input Current Limit Prioritizes System Load Output</li> <li>-Low Loss PowerPath™</li> <li>-Instant-On Operation with Discharged or Missing Battery</li> <li>-JEITA Temperature Controlled Charging</li> <li>-Pin Compatible with Li-Ion and SLA Versions</li> </ul> <p>Notes:  1. Amount should be inclusive of taxes, delivery and</p>	1	pc	14000.00	14,000.00

	<p>other fees.</p> <p>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</p> <p>3. Full payment will be given once the items were delivered.</p>				
22	<p><b>FPGA Starter Kit</b></p> <p>Input and Output pins</p> <ul style="list-style-type: none"> <li>153 maximum FPGA I/O pins</li> </ul> <p>Configuration status/Set-up elements</p> <ul style="list-style-type: none"> <li>On-board USB-Blaster circuit for programming</li> <li>Spansion EPCS64</li> </ul> <p>Expansion Header</p> <ul style="list-style-type: none"> <li>Two 40 pin headers (GPIOs) provide 72 I/O pins, 5V power pins, two 3.3V power pins and 4 GND pins</li> </ul> <p>Memory Devices</p> <ul style="list-style-type: none"> <li>32MB SDRAM</li> <li>2KB I2C EEPROM</li> </ul> <p>General user input/output</p> <ul style="list-style-type: none"> <li>8 Green LEDs</li> <li>2 debounced pushbuttons</li> <li>4-position DIP switch</li> </ul> <p>G-sensor</p> <ul style="list-style-type: none"> <li>ADI ADXL345, 3-axis accelerometer with 13-bit resolution</li> </ul> <p>ADC</p> <ul style="list-style-type: none"> <li>8-channel, 12 bit A/D converter</li> </ul> <p>Clock system</p> <ul style="list-style-type: none"> <li>50MHz Clock oscillator</li> </ul> <p>Power supply</p> <ul style="list-style-type: none"> <li>USB type mini-AB port (5V)</li> <li>DC 5V pin for each GPIO header (2 DC 5V pins)</li> <li>2-pin external power header</li> </ul> <p>Must include the following items:</p> <ul style="list-style-type: none"> <li>USB cable</li> <li>Quick start guide and other technical manuals</li> </ul> <p>Notes:</p> <p>1. Amount should be inclusive of taxes, delivery and other fees.</p> <p>2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).</p> <p>3. Full payment will be given once the items were delivered.</p>	4	kit	10000.00	40,000.00
23	<p><b>16-bit ADC module</b></p> <p>Wide Supply Range: 2.0V to 5.5V</p> <p>Low Current Consumption: Continuous Mode: Only 150µA</p> <p>Single-Shot Mode: Auto Shut-Down</p> <p>Programmable Data Rate: 8SPS to 860SPS</p> <p>Internal Low-Drift Voltage Reference:</p>	3	pc	800.00	2,400.00

	<p>Internal Oscillator  Internal PGA  I2C Interface: Pin-Selectable Addresses  Four Single-ended or two differential Inputs  Programmable Comparator  This board/chip uses I2C 7-bit addresses between 0x48-0x4B, selectable with jumpers</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).  3. Full payment will be given once the items were delivered.</p>				
24	<p><b>24-bit ADC module</b>  Low current consumption: as low as 120µA in duty cycle mode (typical)  Power range: 3 V~5 V  Up to 20 effective resolutions  Two differential or four single-ended inputs  Dual matched programmable current source: 10µA to 1.5 mA  Internal 2.048-V Reference: 5 ppm/°C (typical) Drift  Internal 2% precision oscillator  Internal temperature sensor: 0.5°C (typical) accuracy  SPI compatible interface (mode 1)</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP).  3. Full payment will be given once the items were delivered.</p>	6	pc	700.00	4,200.00
25	<p><b>Black PU Adjustable Anti Static Grounding Wrist Band Electricity Bracelet</b>  Anti Static Electricity Bracelet  Protection from static electricity  Adjustable wrist strap to fit any size wrist  Resistance: 10K Ohm (Wrist Strap)  Lead Resistance 1M Ohm 10% (Cord)  includes Cord: Yes  Stud Size: 10mm  Wrist Strap Size: Adjustable  Cord Length: at least 1.3m  Reusable/Disposable: Reusable  Cord Style: Coiled  Cord Colour: Black  Band Colour: Black  Single Wire/Dual Wire: Single Wire  Band Material: Fabric  Use Type ESD Safe  Compliance: EN 61340-5-1</p> <p>Notes:  1. Amount should be inclusive of taxes, delivery and other fees.  2. Delivery: 45 calendar days upon issuance of notice</p>	25	pc	90.00	2,250.00

	to proceed (NTP). 3. Full payment will be given once the items were delivered.				
26	<b>Desoldering Pump Tool</b> Size: Standard Anti-Static Body Material: Aluminium Length: 195mm approx. Suction 32 cm-Hg (double Orings) Replaceable Nozzle Dual spring loaded piston (Double oil seals) Anti-rust springs Push Button release Non-clogging, self cleaning nozzle  Notes: 1. Amount should be inclusive of taxes, delivery and other fees. 2. Delivery: 45 calendar days upon issuance of notice to proceed (NTP). 3. Full payment will be given once the items were delivered.	2	pc	2000.00	4,000.00

**TOTAL APPROVED BUDGET FOR THE CONTRACT:**

**Php 313,501.26**

**GUIDELINES**

**A. Submission of Quotations**

1. Quotation/s shall include the Request for Quotation and/or the Purchase Request Number as state above;
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation/s; and
3. Quotation/s must be signed by the company's duly authorized representative.

**B. Eligibility Requirements**

Pursuant to Annex "H" or Consolidated Guidelines for the Alternative Methods of Procurement of the 2016 Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, as amended by Government Procurement Policy Board Resolution No. 21-2017 dated 30 May 2017, the following documents shall be submitted except for Repeat Order, Shopping under Section 52.1(a), and Negotiated Procurement under Sections 53.1 (Two-Failed Biddings), and 53.5 (Agency-to-Agency):

**For Procurement of Goods**

1. Upon submission of quotation

- ✓ PhilGEPS Platinum Membership Certificate including Annex "A". If not available, the following alternate documents may be submitted:
  - PhilGEPS Registration Number
  - Mayor's Permit
    - For individuals/professionals engaged under Section 53.6, 53.7 and 53.9 of the 2016 IRR of RA No. 9184, only the Bureau of Internal Revenue (BIR) Certificate of Registration shall be submitted in lieu of the Mayor's Permit.

2. Upon issuance of Notice of Award (NOA)

- ✓ Omnibus Sworn Statement
  - Applicable only for bidders who have submitted their quotation on item/s with a total Approved Budget for the Contract (ABC) of above Php50,000.00.
- ✓ Income/Business Tax Return
  - Applicable only for: **a)** bidders who have submitted their quotation on item/s with a total ABC of above Php500,000.00; and **b)** bidders for Lease of Real Property and Venue (except for government agencies as lessors).

**For Procurement of Infrastructure**

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Philippine Contractors Accreditation Board License.

**For Procurement of Consulting Services**

1. The requirements for Goods with the same submission indicated therein; and
2. Valid Professional Regulation Commission License or Curriculum Vitae.

**NOTE:** For new suppliers, submit a BIR Certificate of Registration for accounting purposes.

**C. Terms and Conditions**

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;
2. For all kinds of procurement, the bidder who passed the bid evaluation, shall submit a duly notarized Omnibus Sworn Statement upon issuance of NOA, unless otherwise provided;
3. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
4. A penalty of one-tenth of one percent (0.001) of the total value of the undelivered goods/services shall be charged as liquidated damages for every day of delay of the delivery; and
5. The DOST-ASTI reserves the right to accept or reject any proposal, to annul the bidding process, and to reject all proposals at any time prior to contract award, without thereby incurring any liability to the affected proponent or proponents.