



DOST-ASTI Bids and Awards Committee
REQUEST FOR QUOTATION

Kind of Procurement Activity:	Negotiated Procurement:Small-value Procurement		
Deadline of Submission of Bids:	Oct-11-2024, 2:00 PM		
RFQ No.:	24-10-5025	Date:	October-07-2024
PR No.:	GAA-24-10-20067	Date:	October-02-2024

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the enlisted item/s below. Bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, except otherwise specified in the requirements. Award may be considered for prospective bidder/s proven to be the single/lowest calculated and responsive quotation among all other quotations. Guidelines on the format of quotations and eligibility documents are listed below. Kindly follow the prescribed GUIDELINES to avoid DISQUALIFICATION.

Quotations may be submitted 1) manually to the BAC Secretariat at G/F DOST-ASTI Bldg., UP Technology Park Complex, CP Garcia Ave., UP Campus, Diliman, Quezon City or 2) sent via electronic mail at bac-sec@asti.dost.gov.ph. For further information, please contact the BAC Secretariat at +63 2 8249-8500 loc. 1206/1212.

Thank you.

BAYANI BENJAMIN R. LARA
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Various Items for Prototype Development</p> <p>1. Objective</p> <p>1.1. DOST-ASTI is looking for qualified and competent bidders for the supply and delivery of various items, for prototype development.</p> <p>1.2. The Approved Budget for the Contract (ABC) is inclusive of government taxes and other applicable charges.</p> <p>1.3. Prospective bidders must submit a breakdown of price quotations per item specified in 2. Technical Specifications.</p> <p>2. Technical Specifications</p> <p>2.1. MCU Module - ESP32 (ABC – PhP3,900.00)</p> <p>2.1.1. Quantity: At least ten (10) pieces</p> <p>2.1.2. Genuine product and latest version</p> <p>2.1.3. Number of Cores: Two (2) (Dual Core)</p> <p>2.1.4. Wi-Fi: 2.4 GHz up to 150 Mbits/s</p> <p>2.1.5. Bluetooth: Bluetooth Low Energy (BLE) and Legacy Bluetooth</p> <p>2.1.6. Architecture: Thirty-two (32) bits</p> <p>2.1.7. Clock Frequency: Up to 240 MHz</p> <p>2.1.8. RAM: 512 KB</p>	1	lot	45250.00	45,250.00

- 2.1.9. Pins: Thirty-eight (38)
- 2.1.10. Peripherals: Capacitive touch, Analog to Digital Converter (ADC), Digital to Analog Converter (DAC), 12C (Inter-Integrated Circuit), Universal Asynchronous Receiver/Transmitter (UART), Controller Area Network (CAN 2.0), Serial Peripheral Interface (SPI), 12S (Integrated Inter-IC Sound), Reduced Media-Independent Interface (RMII), Pulse Width Modulation (RMII), and more
- 2.1.11. Built-in Buttons: RESET and BOOT buttons
- 2.1.12. Built-in LEDs: Built-in blue LED connected to GPIO2; built-in red LED that shows the board is being powered
- 2.1.13. USB to UART bridge: CP2102

- 2.2. MCU Module - ESP32-CAM (ABC - PhP 5,000.00)
 - 2.2.1. Quantity: At least ten (10) pieces
 - 2.2.2. ESP32 Cam WiFi Bluetooth Development Board with OV2640 Camera Module
 - 2.2.3. Working Voltage: 4.75-5.25V, recommended 5V
 - 2.2.4. SPI Flash: Default 32mbit
 - 2.2.5. RAM: Internal 520KB+External 8MB PSRAM
 - 2.2.6. Wi Fi: 802.11b/G/n/e/i
 - 2.2.7. Bluetooth: Bluetooth 4.2BR/EDR and BLE standards
 - 2.2.8. Supports Interfaces (2Mbps): UART, SPI, I2C, PWM
 - 2.2.9. TF Card Support: Up to 4G
 - 2.2.10. IO Ports: Nine (9)
 - 2.2.11. Serial Port Speed: Default 115200bps
 - 2.2.12. Spectrum Range: 2400~2483.5 MHz
 - 2.2.13. Antenna Shape: Integrated PCB, 2dBi gain
 - 2.2.14. Image Output Formats: JPEG (OV2640 only), BMP, GRAYSCALE
 - 2.2.15. Transmission power
 - 2.2.15.1. 802.11b: 17 ± 2 dBm (@ 11mbps)
 - 2.2.15.2. 802.11g: 14 ± 2 dBm (@ 54mbps)
 - 2.2.15.3. 802.11n: 13 ± 2 dBm (@ MCS7)
 - 2.2.16. Receiving Sensitivity
 - 2.2.16.1. CCK, 1mbps: -90dBm
 - 2.2.16.2. CCK, 11mbps: -85dBm
 - 2.2.16.3. 6Mbps (1/2BPSK): -88dBm
 - 2.2.16.4. 54Mbps (3/464 QAM): -70dBm
 - 2.2.16.5. MCS7 (65Mbps, 72.2 Mbps): -67dBm
 - 2.2.17. Power Consumption
 - 2.2.17.1. Turn Off Flash: 180mA @ 5V
 - 2.2.17.2. Turn on the flash and set the brightness to a maximum of 310mA @ 5V
 - 2.2.17.3. Deep Sleep: The minimum power consumption can reach 6mA@5V
 - 2.2.17.4. Modern Sleep: minimum achievable 20mA@5V
 - 2.2.17.5. Light Sleep: minimum achievable 6.7mA@5V
 - 2.2.18. Security: VPA/VPA2/VPA2 Enterprise/VPS
 - 2.2.19. Working Temperature: -20 °C~70 °C

- 2.3. MCU Module - ESP32 with OLED (ABC - PhP 5,750.00)
 - 2.3.1. Quantity: At least five (5) pieces
 - 2.3.2. Unsoldered TTGO T-Display ESP32 Module
 - 2.3.3. Chipset: ESPRESSIF-ESP32 240MHz Xtensa

dual-core 32-bit LX6 microprocessor

2.3.4. Memory: 4MB Flash, 520 kB SRAM

2.3.5. USB to TTL Converter CP2104

2.3.6. Interface: UART, SPI, SDIO, I2C, LED PWM, TV PWM, I2S, IRGPIO, ADC, capacitor touch sensor, DACLNA pre-amplifier

2.3.7. Display: IPS ST7789V 1.14 Inch 135*240 resolution

2.3.8. Operating Voltage (VDC) 2.7 ~ 4.2

2.3.9. Max. Operating Current (mA) 60

2.3.10. Working Temperature Range (°C) -40 to 85

2.3.11. Package includes:

2.3.11.1. 1 x TTGO Wi-Fi and Bluetooth Development Board with 1.14" LCD Display

2.3.11.2. 1 x Battery Connector

2.3.11.3. 2 x 12 Pin Male Header

2.4. Display Module - OLED (ABC - PhP 1,600.00)

2.4.1. Quantity: At least ten (10) pieces

2.4.2. OLED Display Module

2.4.3. Size: ~0.96"

2.4.4. Resolution: 128X64

2.4.5. Chipset: SSD1315

2.4.6. Communication Interface: SPI, IIC/I2C, Serial

2.5. RFID Module (ABC - PhP 3,500.00)

2.5.1. Quantity: At least ten (10) pieces

2.5.2. Support I2C.SPI and HSU (High Speed UART), change between those modes

2.5.3. Support RFID reading and writing, support P2P communication with peers, NFC with android phone

2.5.4. RFID reader/writer support

2.5.4.1. Mifare 1k, 4k, Ultralight, and DesFire cards, ISO/IEC 14443-4 cards such as CD97BX, CD light, DesFire, P5CN072 (SMX)

2.5.4.2. Innovision jewel cards such as IRT5001 card

2.5.4.3. FeliCa cards such as RCS_860 and RCS_854

2.5.5. Built-in PCB antenna, with 4cm~6cm communication distance

2.5.6. On-board level shifter, Standard 5V TTL for I2C and UART, 3.3V TTL SPI

2.5.7. Package includes:

2.5.7.1. 1x PN352 NFC/RFID Module

2.5.7.2. 1x 2.54 spacing 4-pin Female Cable

2.5.7.3. 1x NFC / RFID Card

2.5.7.4. 1x Key tag

2.6. Fingerprint Module (ABC - PhP 7,000.00)

2.6.1. Quantity: At least five (5) pieces

2.6.2. Simple UART & USB communication protocol

2.6.3. Complies with USB 2.0 full-speed specification

2.6.4. Ultra-thin optical sensor

2.6.5. Resolution 450 dpi

2.6.6. Capable of 360° recognition

2.6.7. Storage for 3,000 unique fingerprints

2.6.8. Wake up on Finger Function

2.6.9. Works well with dry, moist or rough fingerprints

2.6.10. Anti-scratch with surface high hardness 5H

2.6.11. 1:1 verification, 1:N identification

2.6.12. High-accuracy and high-speed fingerprint identification technology

2.6.13. 4x mounting holes
2.6.14 Includes 2x JST SH connectors

2.7. microSD Card Module (ABC – PhP 480.00)

2.7.1. Quantity: At least six (6) pieces
2.7.2. Power Supply: 4.5V ~ 5.5V
2.7.3. SPI interface
2.7.4. Module Size: ~4.1 x 2.4cm

2.8. RTC Module (ABC – PhP 900.00)

2.8.1. Quantity: At least six (6) pieces
2.8.2. DS3231-based RTC High Precision Real-Time Clock Module with AT24C32 EEPROM
2.8.3. Size: ~38mm x 22mm x 14mm
2.8.4. Weight: ~8 grams
2.8.5. Operating voltage: 3.3 - 5.5V

2.9. Solenoid Lock - Latch (ABC – PhP 2,520.00)

2.9.1. Quantity: At least four (4) pieces
2.9.2. Operation Voltage: 12V DC
2.9.3. Operating Current: 1.5A
2.9.4. Dimension: ~73*58*13.3mm
2.9.5. Do not electrify the lock for a long time(<5s)
2.9.6. Parts list:
2.9.6.1. Electric Solenoid Lock x1
2.9.6.2. Gravity Connector x1
2.9.6.3. Latch x1

2.10. Solenoid Lock - Slug (ABC – PhP 1,200.00)

2.10.1. Quantity: At least four (4) pieces
2.10.2. Voltage: 12VDC
2.10.3. Current: 0.6A
2.10.4. Size: ~53 x 26 x 23mm
2.10.5. Weight: ~142g
2.10.6. Latch Telescopic Length: ~10mm
2.10.7. Energized Forms: intermittent
2.10.8. Unlocking Time: 1S
2.10.9. Continuously energized <10S;
2.10.10. Temperature: -40 ~ +50

2.11. UPS Backup Kit (ABC – PhP 13,400.00)

2.11.1. Quantity: At least four (4) set
2.11.2. Suitable for Electric Door Locks with Time Delay
2.11.3. Can be connected to an external remote control module
2.11.4. Over-voltage protection, over-current protection, and fault protection
2.11.5. Size: Aprox. 212x173x70mm (L x W x H)
2.11.6. Input Voltage: AC 110 ~ 260 V / 50 ~ 60Hz
2.11.7. Output Voltage: DC 12 V / 5A
2.11.8. Time Delay: 0 to 15 seconds
2.11.9. Power: 50W
2.11.10. Operating Temperature: -20C~65C
2.11.11. Weight: ~1.1KG

3. Warranty

3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues.
3.2. Defective and incorrect items shall be replaced

	<p>within seven (7) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.</p> <p>3.3. Warranty Period: At least six (6) months</p> <p>4. Payment and Delivery Terms</p> <p>4.1. Price is inclusive of government taxes, delivery charges, etc.</p> <p>4.2. Items must be delivered within sixty (60) days upon issuance of Notice To Proceed (NTP) to DOST-ASTI Extension Office, NEC-UP, Juinio Hall, corner Osmena Ave., Diliman, Quezon City.</p>				
2	<p>Various Technical Supplies and Tools</p> <p>1. Objective</p> <p>1.1. DOST-ASTI is looking for qualified and competent bidders for the supply and delivery of various supplies and tools.</p> <p>1.2. The ABC is inclusive of government taxes and other applicable charges.</p> <p>1.3. Prospective bidders must submit a breakdown of price quotations per item specified in 2. Technical Specifications.</p> <p>2. Technical Specifications</p> <p>2.1. Nozzle Kit - K1-compatible (ABC – PhP7,200.00)</p> <p>2.1.1. Consumable technical supply</p> <p>2.1.2. Quantity: At least three (3) packs, at least eight (8) pieces per pack</p> <p>2.1.3. Copper Alloy with High Thermal Conductivity High Flow for High-Speed Printing</p> <p>2.1.4. Uniform Nickel Plating, Smoother Extrusion</p> <p>2.1.5. Hardened Steel Nozzle High Hardnes, More Wear-resistant and Longer Service Life</p> <p>2.1.6. Hardened Steel Resists Corrosion for Longer Service Life</p> <p>2.1.7. Premium Materials Handle High Temperature Filaments</p> <p>2.1.8. Nozzle Diameter: 0.4mm 0.6mm 0.8mm</p> <p>2.1.9. Material: Copper alloy, hardened steel</p> <p>2.1.10. Appearance Color: Silver, black</p> <p>2.1.11. Packing size: 52*52*37.5mm</p> <p>2.1.12. Parts list:</p> <p>2.1.12.1. Copper alloy</p> <p>2.1.12.1.1. 0.4mm*2 pcs</p> <p>2.1.12.1.2. 0.6mm*1 pc</p> <p>2.1.12.1.3. 0.8mm*1 pc</p> <p>2.1.12.2. Hardened steel</p> <p>2.1.12.2.1. 0.4mm*2 pcs</p> <p>2.1.12.2.2. 0.6mm*1 pc</p> <p>2.1.12.2.3. 0.8mm*1 pc</p> <p>2.2. Nozzle - Ender-compatible, 0.4mm, Brass (ABC – PhP1,200.00)</p> <p>2.2.1. Consumable technical supply</p> <p>2.2.2. Quantity: At least twenty (20) pieces</p> <p>2.2.3. Material: Brass</p> <p>2.2.4. Nozzle Size: 0.4mm</p> <p>2.2.5. Type: MK8</p>	1	lot	57280.00	57,280.00

2.2.6. New design

2.3. Nozzle - Ender-compatible, 0.6mm, Brass (ABC - PhP1,050.00)

2.3.1. Consumable technical supply

2.3.2. Quantity: At least five (5) packs, at least five (5) pieces per pack

2.3.3. Material: Brass

2.3.4. Nozzle Size: 0.6mm

2.3.5. Type: MK8

2.4. Nozzle Kit - Ender-compatible, Copper Alloy (ABC - PhP3,120.00)

2.4.1. Consumable technical supply

2.4.2. Quantity: At least two (2) packs, at least eight (8) pieces per pack

2.4.3. Material: Copper Alloy

2.4.4. Mohs Hardness: Six (6)

2.4.5. Temperature Resistance: 500degrees Celsius

2.4.6. Thermal Conductivity: 330W/mk

2.4.7. Inner Wall Roughness: Ra 0.4

2.4.8. Nozzle Sizes

2.4.8.1. 0.4mm x 4

2.4.8.2. 0.6mm x 2

2.4.8.3. 0.8mm x 2

2.5. Terminal Blocks (ABC - P220.00)

2.5.1. Consumable technical supply

2.5.2. Quantity: At least two (2) packs, at least one hundred (100) pieces per pack

2.5.3. 250V 2 Pin Quick Splice Lock Wire Terminals

2.5.4. Insulating Material: PP

2.5.5. Contact Material: Steel

2.5.6. Rated Voltage Current: 250V, 10A

2.5.7. Applicable to line Diameter: 0.5-2.5mm²

2.5.8. Screw Hole Diameter: m3

2.6. DC Barrel Jack Adapter - Female (ABC - PhP800.00)

2.6.1. Consumable technical supply

2.6.2. Quantity: At least ten (10) packs, at least five (5) pieces per pack

2.6.3. Screw terminals on one end

2.6.4. 5.5x2.1mm, center-positive, female barrel jack on other end

2.7. DC Barrel Jack Adapter - Male (ABC - PhP800.00)

2.7.1. Consumable technical supply

2.7.2. Quantity: At least ten (10) packs, at least five (5) pieces per pack

2.7.3. Screw terminals on one end

2.7.4. 5.5x2.1mm, center-positive, male barrel jack on other end

2.8. Chicago Screw - 6mm (ABC - PhP460.00)

2.8.1. Consumable technical supply

2.8.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.8.3. Material: Chrome Finish

2.8.4. Drive: Phillips Drive

2.8.5. Outside Body Diameter: M5 (About 5mm)

2.8.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.8.7. Length: 6mm

2.9. Chicago Screw - 12mm (ABC – PhP640.00)

2.9.1. Consumable technical supply

2.9.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.9.3. Material: Chrome Finish

2.9.4. Drive: Phillips Drive

2.9.5. Outside Body Diameter: M5 (About 5mm)

2.9.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.9.7. Length: 12mm

2.10. Chicago Screw - 18mm (ABC – PhP860.00)

2.10.1. Consumable technical supply

2.10.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.10.3. Material: Chrome Finish

2.10.4. Drive: Phillips Drive

2.10.5. Outside Body Diameter: M5 (About 5mm)

2.10.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.10.7. Length: 18mm

2.11. Chicago Screw - 25mm (ABC – PhP1,020.00)

2.11.1. Consumable technical supply

2.11.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.11.3. Material: Chrome Finish

2.11.4. Drive: Phillips Drive

2.11.5. Outside Body Diameter: M5 (About 5mm)

2.11.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.11.7. Length: 25mm

2.12. Chicago Screw - 30mm (ABC – PhP1,080.00)

2.12.1. Consumable technical supply

2.12.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.12.3. Material: Chrome Finish

2.12.4. Drive: Phillips Drive

2.12.5. Outside Body Diameter: M5 (About 5mm)

2.12.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.12.7. Length: 30mm

2.13. Chicago Screw - 40mm (ABC – PhP1,200.00)

2.13.1. Consumable technical supply

2.13.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.13.3. Material: Chrome Finish

2.13.4. Drive: Phillips Drive

2.13.5. Outside Body Diameter: M5 (About 5mm)

2.13.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.13.7. Length: 40mm

2.14. Chicago Screw - 50mm (ABC – PhP1,300.00)

2.14.1. Consumable technical supply

2.14.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.14.3. Material: Chrome Finish

2.14.4. Drive: Phillips Drive

2.14.5. Outside Body Diameter: M5 (About 5mm)

2.14.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.14.7. Length: 50mm

2.15. Chicago Screw - 60mm (ABC - PhP1,480.00)

2.15.1. Consumable technical supply

2.15.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.15.3. Material: Chrome Finish

2.15.4. Drive: Phillips Drive

2.15.5. Outside Body Diameter: M5 (About 5mm)

2.15.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.15.7. Length: 60mm

2.16. Chicago Screw - 75mm (ABC - PhP1,500.00)

2.16.1. Consumable technical supply

2.16.2. Quantity: At least two (2) packs, at least fifty (50) pieces per pack

2.16.3. Material: Chrome Finish

2.16.4. Drive: Phillips Drive

2.16.5. Outside Body Diameter: M5 (About 5mm)

2.16.6. Inside Thread Diameter: M4 x 0.7 Pitch

2.16.7. Length: 75mm

2.17. Lug Terminal (ABC - PhP1,890.00)

2.17.1. Consumable technical supply

2.17.2. Quantity: At least three (3) packs, at least 130pcs per pack

2.17.3. At least 60pcs SC Copper Ring Lug Terminals and 70pcs OT Terminals

2.17.4. Material: Copper

2.17.5. SC Ring Lug Terminals Sizes

2.17.5.1. SC6-6: 10PCS

2.17.5.2. SC6-8: 10PCS

2.17.5.3. SC10-6: 10PCS

2.17.5.4. SC10-8: 10PCS

2.17.5.5. SC16-6: 5 PCS

2.17.5.6. SC16-8: 5 PCS

2.17.5.7. SC25-6: 5 PCS

2.17.5.8. SC25-8: 5 PCS

2.17.6. OT Terminals Sizes

2.17.6.1. OT-10A: 20PCS

2.17.6.2. OT-20A: 20PCS

2.17.6.3. OT-30A: 10PCS

2.17.6.4. OT-40A: 10PCS

2.17.6.5. OT-50A: 10PCS

2.18. Crimp Terminal (ABC - PhP270.00)

2.18.1. Consumable technical supply

2.18.2. Quantity: At least one (1) pack, at least 280 pcs per pack

2.18.3. Cable Lugs Assortment Kit

2.18.4. Material: Copper + PVC+ Tinplate

2.18.5. Red: Suits cable/ wire sizes (0.5-1.5mm² 22-16AWG)

2.18.6. Blue: Suits cable/ wire sizes (1.5-2.5mm² 16-14AWG)

2.18.7. Yellow: Suits cable/ wire sizes (4.0-6.0mm² 12-10AWG)

2.19. Relay Module - 1 Channel (ABC - PhP600.00)

2.19.1. Consumable technical supply

- 2.19.2. Quantity: At least ten (10) pieces
- 2.19.3. Voltage/Current Rating: 250VAC 10A, 28VDC 10A
- 2.19.4. Control Voltage: 5V
- 2.19.5. Indicator LEDs
- 2.19.6. Module Size: Approx. 55mm x 16mm

2.20. microSD Card - 256GB (ABC - PhP3,600.00)

- 2.20.1. Consumable technical supply
- 2.20.2. Quantity: At least five (5) pieces
- 2.20.3. Capacity: ~256GB
- 2.20.4. Type: SDXC UHS-I Micro SD Card
- 2.20.5. Read Speed: 150mb/s / A1

2.21. microSD Card - 16GB (ABC - PhP2,200.00)

- 2.21.1. Consumable technical supply
- 2.21.2. Quantity: At least ten (10) pieces
- 2.21.3. Capacity: ~16GB
- 2.21.4. Fast transfer speeds of up to 80MB/s | 98MB/s
- 2.21.5. Featuring Class 10 for Full HD
- 2.21.6. Waterproof, X-ray proof, temperature proof, and shockproof

2.22. CR2032 Battery (ABC - PhP600.00)

- 2.22.1. Consumable technical supply
- 2.22.2. Quantity: At least five (5) packs, at least five (5) pieces per pack
- 2.22.3. Voltage: 3V

2.23. Lead Acid Battery - 12V (ABC - PhP2,360.00)

- 2.23.1. Consumable technical supply
- 2.23.2. Quantity: At least four (4) pieces
- 2.23.3. Ampere: 17
- 2.23.4. Voltage: 12
- 2.23.5. Color: Black
- 2.23.6. Dimension: (cm) 7AH - 16 X 7 X 10 (L*W*H)

2.24. Filament Dryer (ABC - PhP15,080.00)

- 2.24.1. Technical Tool
- 2.24.2. Quantity: One (1) unit
- 2.24.3. Filament Capacity: 1kg*4 spools
- 2.24.4. Heating Temp: Up to 70°C
- 2.24.5. Applicable Filament: PLA, ABS, PETG, TPU, PA, PC
- 2.24.6. Heater: PTC with 3 Fans
- 2.24.7. Heat Time(25-50°C): 30mins
- 2.24.8. Heat Time(25-70°C): 50mins
- 2.24.9. Interior Temperature Balance: 3C
- 2.24.10. Humidity Regulation Mode: Auto-drying when humidity
- 2.24.11. Desiccant: Yes
- 2.24.12. Touch Screen: Yes
- 2.24.13. LED Status Display: Yes
- 2.24.14. Filament Holes: Eight (8) (PTFE Available)
- 2.24.15. Power Input: AC 100V~240V/50Hz/60Hz 330W
- 2.24.16. Compatible Filament Diameters: 1.75mm, 2.85mm, 3.0mm

2.25. Cordless Driver (ABC - PhP4,350.00)

- 2.25.1. Technical Tool

- 2.25.2. Quantity: One (1) unit
- 2.25.3. Battery Voltage: 3.6V
- 2.25.4. Battery Type: Lithium-ion
- 2.25.5. Torque (Soft/Hard/Max.): 2.5/5/-Nm
- 2.25.6. No-load speed (1st gear / 2nd gear)- 360rpm
- 2.25.7. Chuck capacity, min./max.6.35mm
- 2.25.8. Weight Excluding Battery: ~0.31kg
- 2.25.9. Screw Diameter (Max. Screw Diameter): 5mm
- 2.25.10. Package list:
 - 2.25.10.1. Carrying case
 - 2.25.10.2. Micro USB cable
 - 2.25.10.3. 1 x screwdriver bit PH1
 - 2.25.10.4. 1 x screwdriver bit PH2

- 2.26. Digital Power Watt Meter (ABC – PhP2,400.00)
 - 2.26.1. Technical Tool
 - 2.26.2. Quantity: Two (2) units
 - 2.26.3. Operating Voltage:127/220V, 60Hz
 - 2.26.4. Operating Current: max 10A
 - 2.26.5. Wide Voltage Range: 127/220V
 - 2.26.6. Timing Display Range: 0 second-9999days
 - 2.26.7. Wattage Display (Watts): 0W-9999W
 - 2.26.8. Voltage Display range: 0V-9999V
 - 2.26.9. Current Display (Amps): 0.000A-16.000A
 - 2.26.10. Frequency Display: 0Hz-9999Hz
 - 2.26.11. Min to Max Wattage Display Range: 0.0W-9999W
 - 2.26.12. Price Display Range: 0.00KWH-99.99KWH
 - 2.26.13. Total KWH and Cost Display: 0.000KWH-9999KWH,0.00-9999

3. Warranty

- 3.1. Supplier warrants the item against defects in manufacturing and shipping and delivery issues.
- 3.2. Defective and incorrect items shall be replaced within seven (7) calendar days upon receipt of notice from the end-user or DOST-ASTI Property and Supply Section.
- 3.3. Warranty Period: At least six (6) months

4. Payment and Delivery Terms

- 4.1. Price is inclusive of government taxes, delivery charges, etc.
- 4.2. Items must be delivered within sixty (60) days upon issuance of Notice To Proceed (NTP) to DOST-ASTI Extension Office, NEC-UP, Juinio Hall, corner Osmena Ave., Diliman, Quezon City.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 102,530.00

GUIDELINES

A. Content and Format of Quotations

1. The Quotation/s must include the RFQ Number or the PR Number indicated above
2. Bidders must specify the BRAND NAMES and MODEL NAMES/NUMBER for the following goods:
 - a. Computer and electronic equipment and its accessories or peripherals
 - b. Software applications, programs, and digital licenses
 - c. Commercial off-the-shelf electronic devices or components
3. The Quotation/s must indicate the registered business name of the company (or individual), business address and contact number. It must also include the full name and signature of the company's authorized representative.
4. BIR Certificate of Registration for new DOST-ASTI suppliers.

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, 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
 - a. Valid PhilGEPS Registration Number / Organization ID
 - b. Valid Mayor's/Business Permit
2. Upon issuance of Notice of Award (NOA)
 - a. Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)
 - b. Income/Business Tax Return (For ABCs above P500,000.00)

For Procurement of Infrastructure

1. Upon submission of quotation
 - a. Valid PhilGEPS Registration Number / Organization ID
 - b. Valid Mayor's/Business Permit
 - c. Valid PCAB License
2. Upon issuance of NOA
 - a. Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)
 - b. Income/Business Tax Return (For ABCs above P500,000.00)

**Requirements under Section 53.6 (Scientific, Scholarly or Artistic Work, Exclusive Technology and Media Services) of the revised IRR of RA No. 9184 will not apply to artists such as singer, performer, poet, writer, painter and sculptor who are engaged in business.*

***Requirements under Section 53.10 (Lease of Real Property or Venue) of the revised IRR of RA No. 9184, specifically Mayor's/Business Permit, PhilGEPS Registration Number and Income/Business Tax Return will not apply to government agencies as lessors.*

****For methods of procurement requiring Mayor's Permit and PhilGEPS Registration Number, valid Certificate of Platinum Membership may be submitted in lieu of the said documents.*

C. Terms and Conditions

1. Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;
2. All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;
3. Liquidated damages of at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay shall be imposed by the DOST-ASTI pursuant to Section 68 of the revised IRR of RA No. 9184; and
4. The DOST-ASTI reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.