



25 September 2018

**ASTI - BIDS AND AWARDS COMMITTEE**

**SUPPLEMENTAL BULLETIN NO. BAC-2018-09-039**

**Supply and Delivery of Various Electronic Components**

The ASTI Bids and Awards Committee (BAC) issues this supplemental bid bulletin to clarify, modify or amend items in the Bidding Documents and to reply to queries raised by the potential bidders through letters/emails for the information of all bidders for the procurement of:

Item: Supply and Delivery of Various Electronic Components  
Approved Budget for the Contract (ABC): PhP1,889,020.00  
Invitation to Bid No.: 18-09-2102  
Purchase Request No.: GAA-18-08-6537  
Published Date (PhilGEPS): 11 September 2018

**A. AMENDMENT TO BIDDING DOCUMENTS**

REFERENCE	AMENDMENT/CHANGE/CLARIFICATION	
Section III. Bid Data Sheet	<p><b>FROM:</b></p> <p>32.4 Additional documents relevant to the Project required by the Procuring Entity:</p> <ul style="list-style-type: none"> <li>a. Proof of Authority of the Bidder's authorized representative/s;</li> <li>b. Duly conformed Schedule of Requirements as provided for in Section VI. of the DOST-ASTI's Philippine Bidding Documents;</li> <li>c. Proof of Offers for manufacturer's supplied items containing all the technical information about the product, i.e., product brochures only for applicable items/lots;</li> <li>d. Statement from the Prospective Bidder that it will provide necessary aftersales technical support including trained technician, engineers or personnel, who are competent and qualified to provide aftersales service;</li> <li>e. Troubleshooting escalation procedure, which must include contact details of personnel in charge of technical support;</li> <li>f. Proof of warranty as provided for in Section VII. Technical Specifications; and</li> <li>g. Customer feedback form with at least Satisfactory Rating from the Bidder's client, preferably the client with the Single Largest Completed Contract (except DOST-ASTI).</li> </ul>	<p><b>TO:</b></p> <p>32.4 Additional documents relevant to the Project required by the Procuring Entity:</p> <ul style="list-style-type: none"> <li>a. Proof of Authority of the Bidder's authorized representative/s;</li> <li>b. Duly conformed Schedule of Requirements as provided for in Section VI. of the DOST-ASTI's Philippine Bidding Documents;</li> <li>c. Proof of Offers for manufacturer's supplied items containing all the technical information about the product, i.e., product brochures (except Item Nos. 2, 4, 6, 23, 31, 52, 53, 61, 63, 70 and 71);</li> <li>d. Statement from the Prospective Bidder that it will provide necessary aftersales technical support including trained technician, engineers or personnel, who are competent and qualified to provide aftersales service;</li> <li>e. Troubleshooting escalation procedure, which must include contact details of personnel in charge of technical support;</li> <li>f. Proof of warranty as provided for in Section VII. Technical Specifications: <ul style="list-style-type: none"> <li>- One (1) year warranty for all items except Item Nos. 21, 52, 53 and 77; and</li> <li>- Manufacturer's warranty for Item Nos. 21 and 77.</li> </ul> </li> <li>g. Customer feedback form with at least Satisfactory Rating from the Bidder's client, preferably the client with the Single Largest Completed Contract (except DOST-ASTI).</li> </ul>

Section VII.  
Technical  
Specifications

**FROM:**

**TO:**

- 15 680MHZ WIFI ROUTER BOARD  
(REPEATER BUOY / COCOMONETS)**
- 880 MHZ CPU NOMINAL FREQUENCY
  - MMIPS ARCHITECTURE
  - ROUTEROS OPERATING SYSTEM
  - 2 CPU CORE COUNT
  - 1 MINIPCIE SLOT
  - 1 MODEM SIM
  - 1 10/100/1000 ETHERNET PORT
  - 11W MAX POWER CONSUMPTION
  - PASSIVE POE
  - 2 10-30V DC INPUT (POE IN AND DC JACK)
  - INCLUDES:
    - 24V 0.8A POWER ADAPTER
    - ALUMINUM CASE
    - 9-48V POE INJECTOR
    - DELIVERY: FORTY-FIVE (45) DAYS UPON ISSUANCE OF NTP
    - WARRANTY: ONE (1) YEAR

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    - DELIVERY: FORTY-FIVE (45) DAYS UPON ISSUANCE OF NTP
    - WARRANTY: AT LEAST ONE (1) YEAR

- 20 HIGH GAIN UHF OMNIDIRECTIONAL ANTENNA  
(REPEATER BUOY / COCOMONETS)**
- 440-512MHZ (TUNABLE)
  - VSWR: LESS THAN 1.5:1
  - GAIN: 5.5DBI
  - MAX POWER: 150 WATTS
  - MAX WIND SURVIVAL: 135MPH
  - WIND LOAD: 25.75SQ IN (.179 SQ FT)
  - CONNECTOR: INTEGRAL N- FEMALE
  - RADOME: ONE PIECE WHITE UV STABILIZED FIBERGLASS
  - DELIVERY: FORTY-FIVE (45) DAYS UPON ISSUANCE OF NTP

- 20 HIGH GAIN UHF OMNIDIRECTIONAL ANTENNA  
(REPEATER BUOY / COCOMONETS)**
- 470 TO 490 MHZ
  - GAIN: 3 DBI
  - 20 MHZ BANDWIDTH
  - VERTICAL POLARIZATION
  - 50 OHMS IMPEDANCE
  - WIND RATING 200 KPH
  - VSWR 1.5:1
  - MAX POWER: 150W
  - DELIVERY: FORTY-FIVE (45) DAYS UPON ISSUANCE OF NTP
  - WARRANTY: AT LEAST ONE (1) YEAR

- 41 FLEX ANTENNA (PEDRO)**
- FREQUENCY: 868-960/1710-1990 MHZ
  - VSWR: <4:1
  - GAIN: AT LEAST 3 DBI
  - MOUNTING: ADHESIVE TAPE
  - INTERFACE: SMA MALE
  - OPERATING TEMPERATURE: -40 TO +85C

- 41 FLEX ANTENNA (PEDRO)**
- FREQUENCY: 868-960/1710-1990 MHZ
  - VSWR: <4:1
  - GAIN: AT LEAST 3 DBI
  - MOUNTING: ADHESIVE TYPE
  - INTERFACE: SMA MALE or U.FL
  - OPERATING TEMPERATURE: -40 TO +85C

- 52 HIGH PERFORMANCE 3D PRINTING FILAMENT  
(PEDRO)**
- HIGH PERFORMANCE 3D PRINTING FILAMENT
  - MATERIAL: CARBON FIBER HTPLA
  - DIAMETER: 1.75MM
  - MAINTAINS PROPERTIES AT UP TO 120C

- 52 HIGH PERFORMANCE 3D PRINTING FILAMENT  
(PEDRO)**
- HIGH PERFORMANCE 3D PRINTING FILAMENT
  - MATERIAL: CARBON FIBER HTPLA
  - DIAMETER: 1.75MM
  - MAINTAINS PROPERTIES AT UP TO 120C
  - COLOR: WHITE

- 53 PROTOTYPING 3D PRINTER FILAMENT  
(PEDRO)**
- PROTOTYPING 3D PRINTER FILAMENT
  - MATERIAL: TOUGH PLA
  - DIAMETER: 1.75MM
  - PRINTING TEMPERATURE: 195C TO 230C

- 53 PROTOTYPING 3D PRINTER FILAMENT  
(PEDRO)**
- PROTOTYPING 3D PRINTER FILAMENT
  - MATERIAL: TOUGH PLA
  - DIAMETER: 1.75MM
  - PRINTING TEMPERATURE: 195C TO 230C
  - COLOR: WHITE

Section VII. Technical Specifications	<b>FROM:</b>	<b>TO:</b>
	<b>76 SOLAR CHARGE CONTROLLER (PEDRO)</b> <ul style="list-style-type: none"> <li>- TRUE 0 TO 100% PWM DUTY CYCLE</li> <li>- SETPOINT ACCURACY 12V: +/-25MV; 24V: +/-48MV</li> <li>- FULLY ENCAPSULATED IN EPOXY POTTING</li> <li>- MARINE RATED TERMINALS / ANODIZED CASE</li> <li>- WITH TEMPERATURE COMPENSATION</li> <li>- SEALED / FLOODED BATTERY SELECT</li> <li>- NOMINAL SYSTEM VOLTAGE: 12VDC</li> <li>- MAX. SOLAR INPUT VOLTAGE: 30 V</li> <li>- MAX. SOLAR CURRENT: 10</li> <li>- BATTERY VOLTAGE RANGE: 6 -15V</li> <li>- SELF-CONSUMPTION: &lt; 8 MA</li> <li>- VOLTAGE ACCURACY: 1.0 %</li> <li>- TRANSIENT SURGE PROTECTION: 1500W PER CONNECTION</li> </ul>	<b>76 SOLAR CHARGE CONTROLLER (PEDRO)</b> <ul style="list-style-type: none"> <li>- TRUE 0 TO 100% PWM DUTY CYCLE</li> <li>- SETPOINT ACCURACY 12V: +/-25MV; 24V: +/-48MV</li> <li>- FULLY ENCAPSULATED IN EPOXY POTTING</li> <li>- MARINE RATED TERMINALS / ANODIZED CASE</li> <li>- WITH TEMPERATURE COMPENSATION</li> <li>- SEALED / FLOODED BATTERY SELECT</li> <li>- NOMINAL SYSTEM VOLTAGE: 12VDC</li> <li>- MAX. SOLAR INPUT VOLTAGE: 30 V</li> <li>- MAX. SOLAR CURRENT: 10A</li> <li>- BATTERY VOLTAGE RANGE: 6 -15V</li> <li>- SELF-CONSUMPTION: &lt; 8 MA</li> <li>- VOLTAGE ACCURACY: 1.0 %</li> <li>- TRANSIENT SURGE PROTECTION: 1500W PER CONNECTION</li> <li>- DELIVERY: THIRTY (30) DAYS UPON ISSUANCE OF NTP</li> <li>- WARRANTY: AT LEAST ONE (1) YEAR</li> </ul>

**B. RESPONSE TO QUERIES**


QUERY/ISSUE	BAC/END-USER RESPONSE/CLARIFICATION
Delivery date extension, if possible.	There will be no delivery extensions.

Please be guided accordingly.

Prepared by:

  
**KATHERINE B. RAMOS**  
 Head, BAC Secretariat

Approved by:

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