



Republic of the Philippines  
Department of Science and Technology

**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**



ASTI-FM 03-10  
REV 0/2 APR 2018

**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>	Jul-27-2018, 2:00 PM		
<b>RFQ No.:</b>	18-07-1956	<b>Date:</b>	July-23-2018
<b>PR No.:</b>	GAA-18-07-5965	<b>Date:</b>	July-17-2018

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested suppliers, contractors or distributors, to submit their quotations, together with their eligibility documents for the item(s) listed below. Guidelines regarding the format and eligibility documents needed are listed at the box below the item(s) to be procured.

Quotations may be electronically mailed at [bac-sec@asti.dost.gov.ph](mailto:bac-sec@asti.dost.gov.ph) or it may be submitted via fax or by delivering it to the office on or before the deadline. For inquiries, you may call the number - 426-7423 and look for ASTI's BAC Secretariat

Respectfully,  
  
**Pedrito B. Mangahas**  
BAC Chairman

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p><b>Controller Box Assembly w/ ASTI-developed Datalogger</b></p> <p>1 unit charged JRMSU 1 unit charged to QSU</p> <p>I. Enclosure</p> <ul style="list-style-type: none"> <li>- Body color: Gray</li> <li>- Overall dimensions: H 14.13", W 12.26", D 6.13"</li> <li>- Complies with NEMA Type 1,2,3,4,4X,12 and 13, IEC 529,IP66</li> <li>- Molded fiberglass polyester enclosure with matching cover</li> <li>- Stainless steel draw type "snap latch" door fastener</li> <li>- Door fasteners include a provision for padlocking</li> <li>- Door is supported with a continuous stainless steel hinge</li> <li>- Captive oil resistant gasket</li> <li>- Threaded brass inserts for mounting feet to the rear of the enclosure</li> <li>- Stainless steel mounting brackets and hardware for mounting to the rear enclosure</li> <li>- Operating temperatures between 130C and -40C</li> <li>- End-user will provide a technical drawing for the customized hole upon request</li> <li>- Threaded brass inserts for mounting feet to the rear of the enclosure</li> <li>- Stainless steel mounting brackets and hardware for</li> </ul>	2	lot	30000.00	60,000.00

mounting to  
the rear enclosure

- Operating temperatures between 130C and -40C

Note: End user will provide a technical drawing for the  
customized  
hole.

#### II. Back Plate for Controller Box

- Material: Aluminum Sheet, 2.5 mm

- Refer to attached drawing for full specifications

- Complete with stainless fasteners (Hex bolts,  
washers, screws,  
nuts)

#### III. Electronic PCB Assembly

- ASTI designed Interconnect board

- The end user will provide the bill of material, a gerber  
file for the

PCB design, and instruction assembly.

- Supplier should provide samples of at least three (3)  
units before  
production

#### IV. Protective Vent/Gore

- Screw-in Type

- M12x1.5 with nut

- Water entry pressure: > 0.3 bar / 30 sec

- Typical airflow(dp = 70 mbar): 2500 ml / min

- Membrane characteristic: Hydrophobic

- Backing material: ePTFE / Polyester (PET)

- Housing material: Polyamide (PA6)

- Color of housing material: Pale Gray

- ORing material: Silicone 60 Shore A

- Wrench size: 16mm

- Overall Length: 15.55mm

#### V. Cable Assemblies

- Consists of the following:

A. One set of arQ data interface (Female Plug and  
Male

Receptacle, 8-pin)

B. One set of arQ power interface (Female Plug, 4-pin)

C. One set of sensor data interface

D. One set of solar panel cable connector interface  
(Male, 4-pin)

E. One set of battery connectors

- End-user shall provide drawings upon request

#### VI. Datalogger Clip Holders

- Must be ASTI-designed complete with screws and  
nuts

#### VII. Sticker

- glossy finished

- fade proof and weather proof

- design to be provided upon request

#### VIII. ASTI-designed Data Logger

A. Overall design will be provided by ASTI (available  
upon signing

of Non-Disclosure Agreement)

#### IX. Circuit boards

1. GDAT Main Board (Qty: 1 pc)

- includes board fabrication and component assembly

- includes component sourcing based on BOM

- gerber and BOM files are available upon request

- must pass based on testing procedure submitted

1.1. PCB

- Dimension: 82.22mm x 64.2mm

- Material: FR-4

- Silkscreen: White (Top and bottom)

- Solder Mask: Double

- LPI color: Black

- PCB Thickness : 1.64 mm

- Number of Electrical Layers : 2

2. GSM Module (Qty: 1 pc)

- includes board fabrication and component assembly

- includes component sourcing based on BOM

- gerber and BOM files are available upon request

- quantity:

- must pass based on testing procedure submitted

2.1. PCB

- Dimension: 37mm x 50mm

- Material: FR-4

- Silkscreen: White (Top and bottom)

- Solder Mask: Double

- LPI color: Blue

- PCB Thickness : 1.64 mm

- Number of Electrical Layers : 2

3. Power Board 1 and 2 (Qty: 1 pair)

- includes board fabrication and component assembly

- includes component sourcing based on BOM

- gerber and BOM files are available upon request

- must pass based on testing procedure submitted

3.1. PCB

- Dimension: 24.4mm x 64.2mm

- Material: FR-4

- Silkscreen: White (Top and bottom)

- Solder Mask: Double

- LPI color: Green

- PCB Thickness : 1.64 mm

- Number of Electrical Layers : 4 and 2

Qty breakdown:

- 1 pair = 1 pc of Power Board 1 and 2

C. Enclosure (Qty: 1 pc)

- fabrication of customized casing for the datalogger based on drawing design

- includes fabrication of saddle clamps and lock bars based on drawing design

- includes industrial design for the tooling

- materials: weatherproof and UV-resistant

- ingress protection: IP67

D. Assembly and Testing

- includes all assembly and integration of boards, enclosure/mechanical fixtures, solar panels and sensors

- includes functional testing and must pass based on end-user's testing procedure (generate individual test report from test

X. Configuration

- AWS Configuration

Notes:

- Items 1 to 10 will be assembled according to the end user's drawing.

- At least 1 year warranty for parts and services

- Assembled units shall be delivered to ASTI

- End-user shall request for a demonstration of one

working unit with the winning bidder before actual delivery/production of the remaining items				
- Items must be compatible with ASTI-arQ Datalogger				
- Price inclusive of government fees, taxes and duties				
- Delivery: 45 days upon receipt of NTP				

**TOTAL APPROVED BUDGET FOR THE CONTRACT:**

**Php 60,000.00**

**GUIDELINES**

**A. Submission of Quotations**

1. The quotation should include the RFQ or the P.R. Number found above.
2. Pictures or brand/model names or numbers, if applicable, should be specified in the quotation.
3. The quotations shall include the signature of the company's representatives.

**B. Eligibility Requirements**

As per GPPB No. 21-2017 amending the Annex H of the 2016 R-IRR of RA 9184, the following shall be submitted:

**For procurement of goods:**

1. PhilGEPS Certificate of Plantinum Membership  
**Note:** If unavailable, submit the following:
  - a. PhilGEPS Registration Number
  - b. Mayor's Permit or BIR Certificate of Registration
2. Income/Business Tax Return

**Note:** Applicable only for ABCs above Php500,000.00

3. Omnibus Sworn Statement

**Note:** Applicable only for ABCs above Php50,000.00 and must be submitted upon post-qualification

**For procurement of infrastructure:**

1. The requirements for goods.
2. Valid PCAB License.

**For procurement of consulting services:**

1. The requirements for goods.
2. Valid PRC 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, unless otherwise provided.
3. All transactions are subject to creditable withholding tax; and final Value Added Tax (VAT) or percentage tax per revenue regulation/s of the Bureau of Internal Revenue (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.
5. The Advanced Science and Technology Institute 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.