



ASTI-FM 03-11
REV 0/2 APR 2018

**DOST-ASTI Bids and Awards Committee
Invitation to Bid (Public Bidding)**

ITB No:	19-11-2999	Date:	November-15-2019
PR No:	GAA-19-09-8729	Date:	September-20-2019
Source of Funds:	GAA		
Total ABC:	Php 980,000.00		
Time, Date & Venue of Pre-bid Conference:	November 27, 2019, 1:30 PM at DOST-ASTI		
Time and Date of Submission of Bids:	December 09, 2019, 12:00 PM		
Time, Date & Venue of Opening Bids:	December 09, 2019, 1:30 PM at DOST-ASTI		
Date of availability of Complete Set of Documents:	November 19, 2019		
Deadline of Potential Bidder's Clarifications:	November 29, 2019		
Deadline of ASTI's Supplemental Bid Bulletin:	December 02, 2019		
Delivery Schedule:			

The Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), hereby invites all interested bidders to submit their bids for the item(s) listed below. Guidelines regarding the format, eligibility, technical and financial documents needed are described in the Instruction to Bidders of the Philippine Bidding Documents

Bidding will be conducted through open competitive bidding procedures using a non discretionary "pass/fail" criterion as specified in the 2016 R-IRR of RA 9184.

A complete set of Bidding Documents may be purchased by interested bidders upon payment of a fee for the Bidding Documents. It is also downloadable for free of charge at DOST-ASTI's website - www.asti.dost.gov.ph

For further inquiries, contact ASTI's BAC Secretariat via email at bac-sec@asti.dost.gov.ph. Interested bidders may also call the number - (632)-426-7423 and look for ASTI's BAC Secretariat.

Respectfully,

PAUL JOHN M. SERRANO
Chairperson, BAC-2

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p>Compact All-in-One Weather Sensor</p> <p>1. All- in-one weather sensor with integrated electronic compass</p> <p>2. Measures: wind speed, wind direction, air pressure, temperature, relative humidity, solar radiation</p> <p>3. Dimensions:</p> <ul style="list-style-type: none"> - Diameter: approx. 150 mm - Height: approx 332 mm - Weight: 1.35kg to 1.65kg <p>4. Temperature</p> <ul style="list-style-type: none"> - Principle: NTC - Measuring range: -50 to 60 ° C - Accuracy: if temperature is -20°C to +50°C, accuracy must be ±0.2 ° otherwise ±0.5 ° C (> -30 ° C) 	4	pc	245000.00	980,000.00

ASTI Bldg., U.P. Technology Park Complex, C.P. Garcia Ave., Diliman, Quezon City, Philippines 1101

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• Fax No.: +632 925-8598

5. Relative humidity

- Principle: Capacitive
- Measuring range: 0 to 100 % RH
- Accuracy: ± 2 % RH

6. Air pressure

- Principle: MEMS Capacitive
- Measuring range: 300 to 1200 hPa
- Accuracy: ± 0.5 hPa (0 to + 40 ° C)

7. Wind direction

- Principle: Ultrasonic
- Measuring range: 0 to 359.9 ° C
- Accuracy: 1.0m/s

8. Wind speed

- Principle: Ultrasonic
- Measuring range: 0 to 60 m/s
- Accuracy: ± 0.3 m/s or ± 3 % (0 to 35 m/s) RMS of reading, whichever is greater ± 5 % (> 35 m/s) RMS

9. Radiation

- Response Time (95%): <18s
- Non-stability (change/year): <1%
- Non-linearity (0 to 1,000 W/m²): <1%
- Directional error (at 80° with 1,000W/m²): <20W/m²
- Temperature dependence of sensitivity: <5% (-10 to +40 ° C)
- Tilt error (at 1,000W/m²): <1%
- Spectral range (50% points): 300 to 2,800nm
- Maximum irradiance : 1,400W/m²
- General Information
- Heating: 20 VA at 24 VDC
- Protection type housing: IP66
- Interface: SD1-12
- Operating Power Consumption: 24VDC +/-10%
- Operating humidity range: 0 to 100 %
- Op. temperature range: -50 to 60 ° C

B. Accessories:

1. Customized 2 meters shielded cable terminated both sides with waterproof M12, 8pin, female plug connector
2. Matching male connector (receptacle) with pre-soldered multi-colored wires, 180mm in length, receptacle must be waterproof, panel rear entry and front fastened, max mounting cutout should not be more than 12mm in diameter.

Wire specs:

- AWG - 26-20
- Voltage Rating - 30V (at max)
- Current Rating: 2A (at max)

C. Maintenance:

1. Supplier should provide quote for factory recalibration
2. Supplier should provide provision for 24-hour response time and thirty (30) calendar days turn around time for repair services

D. Notes:

1. Supplier must provide detailed mechanical drawing and data sheet of the connectors for approval by the end-user prior to delivery.
2. End-user may request for a demonstration with the Least Calculated Bid (LCB) / Single Calculated Bid (SCB) during post-qualification.
3. Two (2) samples of actual unit must be provided by the LCB/SCB within seven (7) calendar days after the Opening of Bids for approval by the end-user as part of the post qualification and prior to award. If approved by end-user, one (1) sample will be retained for reference of the units to be delivered and as part of the full delivery.
4. Supplied with comprehensive, traceable, calibration certificates
5. Supplier must provide product brochures
6. At least 2 years warranty of parts and services
7. Must be delivered to ASTI
8. Must be compatible to ASTI-ARQ datalogger Firmware 3.0 and latter

E. Others:

1. Items must be delivered/issued 30 calendar days after the issuance of Notice to Proceed.
2. Price is inclusive of government duties and taxes and other fees.

TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):

Php 980,000.00

RESERVATION CLAUSE

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.