

REPUBLIC OF THE PHILIPPINES  
Department of Science and Technology  
**ADVANCED SCIENCE AND TECHNOLOGY INSTITUTE**  
ASTI Bldg., Technopark Complex, C. P. Garcia Ave, U.P. Campus Diliman, Quezon City

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

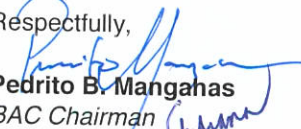
<b>ITB No:</b>	18-02-1748	<b>Date:</b>	February-21-2018
<b>PR No:</b>	GAA-18-01-5230	<b>Date:</b>	January-25-2018
<b>Source of Funds:</b>	GAA		
<b>Total ABC:</b>	Php 1,280,000.00		
<b>Time, Date &amp; Venue of Pre-bid Conference:</b>	April 05, 2018, 1:30 PM at Advanced Science and Technology Institute		
<b>Time and Date of Submission of Bids:</b>	April 17, 2018, 12:00 PM		
<b>Time, Date &amp; Venue of Opening Bids:</b>	April 17, 2018, 1:30 PM at Advanced Science and Technology Institute		
<b>Date of availability of Complete Set of Documents:</b>	March 28, 2018		
<b>Deadline of Potential Bidder's Clarifications:</b>	April 06, 2018		
<b>Deadline of ASTI's Supplemental Bid Bulletin:</b>	April 10, 2018		
<b>Delivery Schedule:</b>			

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](http://www.asti.dost.gov.ph)

For further inquiries, contact ASTI's BAC Secretariat via email at [bac-sec@asti.dost.gov.ph](mailto:bac-sec@asti.dost.gov.ph). Interested bidders may also call the number - (632)-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	<b>SOIL MOISTURE AND TEMPERATURE SENSOR</b> 1. Three-probe sensor 2. Measures the following soil parameters: - moisture - temperature - electric conductivity 3. Dielectric measurement frequency(70MHz) 4. Volumetric Water Content (VWC): Using Topp equation: $\pm 0.03\text{m}^3/\text{m}^3$ ( $\pm 3\%$ VWC) typical in mineral soils that have solution electrical conductivity $< 10\text{dS/m}$ Using medium specific calibration, $\pm 0.01 - 0.02\text{m}^3/\text{m}^3$ ( $\pm 1-2\%$ VWC) in any porous medium Temperature: $\pm 1^\circ\text{C}$ 5. Resolution VWC: $0.0008\text{m}^3/\text{m}^3$ (0.08% VWC) from 0 to 50% VWC 0.25% VWC (rockwool) Temperature: $0.1^\circ\text{C}$	80	pc	16000.00	1,280,000.00

<p>6. Range  EC: 0-23 dS/m (bulk)  Temperature: -40-50°C  Dimensions: 10 x 3.2 x 0.7cm  Cable: 5m, customized cabling with waterproof connector, 3-pin  Measurement: 150 ms</p> <p>7. Time  Power: 3.6-15 VDC, 0.3mA quiescent, 10mA during 150ms measurement  Output: SDI-12</p> <p>Maintenance:</p> <ol style="list-style-type: none"> <li>Supplier should provide quote for factory recalibration</li> <li>Supplier should provide provision for 24-hour response time and thirty (30) calendar days turn around time for repair services</li> </ol> <p>Notes:</p> <ol style="list-style-type: none"> <li>End-user may request for a demonstration with the winning bidder before the actual delivery.</li> <li>Winning bidder must provide Two (2) samples of actual unit for approval by the end-user prior to delivery. If approved by end-user, one (1) sample will be retained for reference of the units to be delivered.</li> <li>Supplied with comprehensive, traceable, calibration certificates</li> <li>At least 2 years warranty of parts and services</li> <li>Must be delivered to ASTI</li> <li>Must be compatible to ASTI-ARQ datalogger Firmware 3.0 and latter</li> </ol> <p>Others:</p> <ol style="list-style-type: none"> <li>Delivery: Thirty (30) days upon issuance of NTP</li> <li>Price is inclusive of government duties and taxes and other fees.</li> <li>Payment upon full delivery</li> </ol>				
<b>TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):</b>				<b>Php 1,280,000.00</b>
<b>RESERVATION CLAUSE</b>				
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.				