



**Philippine Rice Research Institute**

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Quality Rice. Quality Life.



June 7, 2021

## Bid Bulletin No. 1

**Subject: Supply, Delivery and Installation of Research Grade Automatic Weather Station (PB 21-02-19)**

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This bid bulletin is being issued to reflect the changes in the Technical Specifications for the Supply, Delivery and Installation of Research Grade Automatic Weather Station as follows:

### REVISED TECHNICAL SPECIFICATIONS:

Attached is the Revised Technical Specifications for complete details in red font.

Please be guided accordingly.

**AURORA M. CORALES, PhD.**  
Chairperson, BAC for Goods and Services



## ***SECTION VII. Technical Specifications***

Item	Specification	Statement of Compliance
		<p>Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidders statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.</p>
	<p><b>RESEARCH-GRADE AUTOMATIC WEATHER STATION</b></p> <p>1. Sensors:</p> <p>a. Temperature            Measuring Range: -40degrees to +70degree Celsius            Resolution: 0.02degree Celsius            Accuracy: (+/-)0.21degree Celsius (range at 0 to 50degree Celsius) or better</p> <p>b. Relative Humidity            Measuring Range: 0 to 100%            Resolution: 0.1%            Accuracy: (+/-)2.5% (at 10 to 90% range); or better</p>	

	<p>Note: Temperature and RH may be integrated into one sensor unit and must be placed inside a multi-plate UV-resistant solar radiation shield.</p> <p>c. Barometric Pressure  Measuring Range: 660 to 1070 mbar  Resolution: (+/-)0.1 mbar  Accuracy: (+/-)3.0 mbar (at -20degrees to +50degree Celsius);</p> <p>d. Solar Radiation  Measuring Range: 0 to 1280 W/m<sup>2</sup>,  Resolution: 1.25 W/m<sup>2</sup>  Wavelength Range: 300 to 1100 nm  Accuracy: (+/-)10 W/m<sup>2</sup></p> <p>e. PAR Sensor  Measuring Range: 0 to 2500 umol/m<sup>2</sup>/s,  Resolution: +/- 2.5 umol/m<sup>2</sup>/s,  Wavelength Range: 400 to 700 nm  Accuracy:(+/-)5.0 umol/m<sup>2</sup>/s,</p> <p>f. Wind Speed  Measuring Range: 0 to 76 m/s  Resolution: 0.5 m/s;  Accuracy: (+/-)1.1 m/s;  Starting threshold: 1 m/s</p> <p>g. Wind Direction  Measuring Range: 0 degrees to 355 degrees (5 degrees dead band)  Resolution: 1.4degrees  Accuracy: 5degrees</p> <p>h. Tipping Bucket Rain Gauge  Measuring Range: 0.2 mm/tip;  Resolution: 1 tip (0.2mm)  Accuracy: 1.0% of reading and from 0 up to 20 mm/hr</p> <p>i. AmpBox Pyranometer Signal Amplifier for CMP3</p> <p>2. Data Logger and Transmission  Real-time display (<b>minimum LCD</b>)  Local storage capacity  Cloud base data access  Data transmission through wireless/cellular connectivity</p>	
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	<p>With large solar panel, 15 watts, and accessories</p> <p>3. Additional Cloud service subscription for 3 years, SIM card for cellular modem, Load for cellular connection for 3 years *Data transmission through cellular connection</p> <p>4. Complete with at least 2.0 meters Mast, Weatherproof enclosure</p> <p>5. Complete with on-site installation, and civil works, if needed</p> <p>6. Training of staff on basic operation and maintenance and troubleshooting of AWS (minimum of three (3) training staff)</p> <p>7. Minimum one (1) year warranty on all parts and services. <b>(With certificate of warranty.)</b></p>	
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