

TERMS OF REFERENCE
for the

**Supply, delivery, installation, testing and commissioning of
The Dew Point Hygrometer in the Visayas-PRSD (LIC-Mactan) of the Cebu Station wind
tunnel shelter**

A. INSTRUCTIONS TO BIDDERS

1.0 OVERVIEW

The Dew Point Hygrometer as reference standard for the measurement of relative humidity in addition to the calibration of instruments for the weather element sensors, which are newly acquired and those that are coming and being checked/calibrated from our field stations, have its great importance to the standardization and uniformity of measurements at the Visayas observational network. It can also be used for the calibration of weather instruments with humidity sensors of other government and private agencies or individuals. Its importance is so great that the equipment should be of great quality such that it must have minimum uncertainties to have uniform calibration of relative humidity.

Using this reference standard for humidity for LIC-Mactan in addition to the previously purchased test instruments will assure that standards in the comparisons and the achievable operational uncertainties will be observed and followed. The results obtained can be of tremendous help to forecasters particularly to climatology, or meteorological data gatherings of other agencies and individuals.

2.0 QUALIFICATIONS OF THE BIDDER

(Please refer to Section II. Instructions to Bidders, the Bid Data Sheet and Checklist of Eligibility and Technical Requirements of the Bidding Documents)

3.0 GENERAL CONDITION

- a) The bidder has the financial, technical and production capability to perform the contract, and a minimum experience of five (5) years as a company and as a bidder on equipment supply;
- b) The delivery period should be within **four (4) months** after acceptance of the contract including installation, testing, and commissioning in accordance with the specifications hereby attached;
- c) A warranty on parts and services of at least one (1) year should be provided;
- d) Local training should be conducted if required and specified in **(B)**.
- e) An after sales support in terms of technical configuration, cabling, testing, installation of the sensor and/or technical know-how to operate, and availability of spare parts should be provided. Site acceptance test (SAT) in the presence of at least four end-user representatives should be carried out;
- f) The bidders are required to include in their bids the cost of all taxes, such as, but not limited to, value added tax (VAT), income tax, local taxes and other fiscal levies and duties, which shall be itemized in the bid form and reflected in the detailed estimates;

4.0 Bid Proposal Contents – Bidders shall offer a bid on each of the items/units as proposed in the specifications and shall respond paragraph by paragraph to all the contents of the TOR and shall clearly indicate compliance. The bidder should include additional accessories, materials, and activities he deems necessary to properly complete each item. Use additional sheets, if needed. The bidder should include in this proposal, descriptive manuals/literatures of all equipment/accessories/materials to be supplied in original format. These details permit PAGASA to fully evaluate cost tradeoffs.

B. TECHNICAL SPECIFICATIONS for: See Annex 1.

C. WARRANTIES

1. The bidder warrants that it shall strictly conform to all the Terms and Conditions of this Terms of Reference.
2. All equipment is subject to a one year warranty. The winning bidder shall neither assign, transfer, pledge, nor subcontract any part or interest therein.