



## TERMS OF REFERENCE

### Supply and Delivery of Seven (7) units of Digital Barometer

#### 1.0 Overview

In PAGASA as official weather bureau, we have various weather stations all over the Philippines that takes daily weather observation and gives weather report. Different kind of Meteorological instruments are used to do the tasks. It measures temperature, humidity, atmospheric pressure, wind and rain.

In connection with the establishment of new PAGASA synoptic stations, it is necessary to purchase accurate and reliable weather instruments that meet the prescribed standard specifications and accuracy set by the WMO for meteorological instruments.

#### 2.0 Approved Budget for the Contract (ABC)

The approved Budget for the Contract is **Three Million Three Hundred Thirty-Five Thousand Eight Hundred Eight Pesos (Php3,335,808.00)** only inclusive of VAT and all applicable government taxes.

#### 3.0 Qualifications of Manufacturer and Bidder

3.1 Bidder should at least have a minimum experience of three (3) years in the supply of meteorological instruments/equipment in the Philippines. They should submit proof of acceptance of similar completed projects.

3.2 Manufacturer should be ISO 9001:2015 Certified.

#### 4.0 Bid Proposal Contents

Bidder shall respond paragraph by paragraph to all the specifications and shall clearly indicate compliance. The bidder should include in this proposal descriptive literature of the meteorological instruments/equipment to be supplied in original format. They should include brochures of the instrument, manual and others. These details shall permit PAGASA to fully evaluate the various meteorological instruments/equipment.

#### 5.0 Bid Validity

The bid shall remain valid for a period of 120 days from the date of bid.

## 6.0 Place and Date of Delivery

### 6.1 Delivery Schedule

The winning bidder shall supply and deliver of digital barometer meteorological instrument/equipment to the PAGASA Central Office within ninety (90) calendar days upon receipt of the notice to proceed.

### 6.2 System Documentation

The successful bidder must supply manuals on installation, operation, maintenance of meteorological instruments/equipment. These manuals shall include factory test and calibration data results. All documentation shall be written in English.

### 6.3 Acceptance Test

- All sets/units of instrument/equipment shall be tested and calibrated at the Calibration Unit of PAGASA. Instruments/equipment found with accuracy not within what is set forth in the specification shall be replaced.
- The winning bidder shall provide documentary proof of calibration from the PAGASA Instrument Calibration Laboratory on the delivered sensors.

## 7.0 Warranty

All workmanship, materials and meteorological instruments/equipment shall be warranted by the winning bidder for two (2) years upon acceptance. The whole set of units that fail to provide satisfactory performance during this warranty period shall be replaced within 15 calendar days at the winning bidder's expense.

## 8.0 Technical Specifications

Instrument	Specification	Quantity
Digital Barometer	A1AAHHHPGBAA0A Class A Accuracy ( $\pm 0.15$ hPa over full temp range) Display cover 10...35 VDC Baro-1 Module 500...1100hPa Baro-1 Module 500...1100hPa Baro-1 Module 500...1100hPa D9 Connector assembly Barbed fitting 1/8" three barometer modules  Plug ISO9001 Compliant factory calibration number Calibration contract/certificate With power supply charged controller, cable wires and English manual Suitable for calibration	7 units