


General Notes

**GENERAL REQUIREMENTS FOR MEASUREMENT MASTS**  
 All sensor boom dimensions should be compliant with IEC 61400 - 12 - 1:2017 standard. As built dimensions of the met mast should be supplied by the vendor after installation, as a separate chapter of the installation report. All the sensors should be calibrated according to MEASNET standards and the calibration certificates should be included in the installation report. Measurement mast should be 120 m in height, which dictates that the top two anemometers in fork configuration are both at 120 m height. The dimensions of the fork configuration should comply with the IEC 61400 - 12 - 1:2017 standard. The measurement mast should be equipped with 7 anemometers at 120 m, 115 m, 95 m, 65 m, 115 m, 85 m, and 55 m. All direction sensors should be First Class anemometers. The measurement mast should be equipped with 3 wind direction sensors at 115 m, 85 m, and 55 m. All direction sensors should be First Class anemometers. All booms for an instrument should be supported with a support structure to reduce vibration. The measurement mast should be equipped with an adequate lightning protection system and earthed with an earthing rod. The measurement mast should have a foundation at the mast point. The guy wires should also be connected to the ground using foundations. The measurement mast should be equipped with two temperature sensors. One temperature sensor should be around 4 m above ground, and the upper temperature sensor should be installed below the last module of the met mast. As built height of the temperature sensors should be documented on the installation report. The measurement mast should also be equipped with one pressure sensor and one relative humidity sensor. As built heights of these sensors should be documented on the installation report. Temperature, pressure, and relative humidity sensors should also have a calibration documentation included in the installation report. The datalogger time should be setup as UTC - 0 (Local time). This should also be documented on the installation report. Measurements should be recorded in 10-minute intervals. Datalogger should send data to specified e-mail addresses daily. Maintenance visits to the measurement masts should be carried out at an annual inspection as a minimum.

No.	Revision/Issue	Date

Firm Name and Address  
**Appin - Met Mast Design**

Project Name and Address  


Project	Sheet
Date 07.11.2024	
Scale 1:500 on A3	