



**INDIAN INSTITUTE OF ASTROPHYSICS**  
**IInd Block, Koramangala, Bangalore 560034**

Ref : RFT/IND/NLST/093/14-15

April 20, 2015

**CORIGENDUM - II**

With reference to Public Tender Notice No. RFT/IND/NLST/093/14-15 Dt-16/12/2014 for the Purchase of "System for Measuring Wind speed, temperature & Humidity (Wind Profiler) - 01 Set" –

The Technical Compliance / Clarification of the following points to be provided :

1. The anemometers mentioned in the tender should provide both wind speed and wind direction.
2. The heights at which the anemometers (four numbers) should be mounted are 10 meters, 17 meters, 24 meters, and 32 meters.
3. The hygrometer and the thermometer (one each) should be at 10 m height on the tower.
4. The starting threshold for the wind speed and wind direction measurements should be  $\leq 1$  meter per second.
5. Vendor should specify the limiting speed for the wind speed and wind direction measurements.
6. The wind speed measurement accuracy should be  $\pm 0.5$  meter per second.
7. The wind direction measurement accuracy should be  $\pm 5$  degrees.
8. The relative humidity measurement accuracy should be  $\leq 5\%$ . (1% – 100% range)
9. The temperature measurement accuracy should be  $\leq 5\%$  (-40 degree Centigrade to +40 degree Centigrade).
10. The wind speed, direction, humidity, and temperature measurements should be simultaneous at the rate of one data point every second, for each of the above parameters. The analog-to-digital converter should have 16-bit resolution.
11. The data obtained should be written onto the on-board memory of the data-logger, preferably a single unit that can accommodate cables from the four anemometers, one hygrometer and one thermometer. The memory should have the capacity to store the data acquired for a minimum of three days at the above rate (see point 10). There should be provision to transfer the data from the aforementioned memory unit to a computer through either USB or ethernet or other industry standard interface.
12. The responsibility for the computer (at a maximum distance of about 50m from the base of the tower) will be taken care by IIA. The vendor should ensure appropriate cabling arrangement for the transfer of the data from the sensors (located at different heights up to a maximum of 32m from the base of the tower)

