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 <= 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 +/- 0.5 meter per second.
7. The wind direction measurement accuracy should be +/- 5 degrees.
8. The relative humidity measurement accuracy should be <= 5%. (1% – 100% range)
9. The temperature measurement accuracy should be <= 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)
to the computer. Vendor should specify the details of the computer required, operating system, add-on cards if required, PCI / ISA slot requirements, etc. Vendor should provide software for data acquisition and display.

13. All the cables (power, signal, data, etc.) should be rated for the operating conditions at the site.

14. Details related to the temperature range for the data logger and its enclosure should be provided. The enclosure will be either at the base of the tower and near the computer.

15. Vendor should transport, install the tower and the instruments on site.

16. Vendor should commission and demonstrate the measurement capabilities of the different instruments on site as per the above specifications.

17. The data should have information on date, time (0-24 h in hh:mm:ss format), wind speed, wind direction, relative humidity, and temperature in different columns.

18. Vendor should provide test, and calibration certificates at the time of installation and commissioning. Details related to maintaining the calibration, and guarantee on the stability of the calibration should also be mentioned.

19. Malfunctioning of any of the installed instruments including the stationary/movable parts, loss of calibration during the warranty period should be set right by the vendor at his own expenses.

20. Standby / replacement for the malfunctioning instruments should be provided.

21. There should not be any change in the part number or the specifications of the instruments mentioned in the technical bid, at the time of delivery.

22. Details about the AC/DC power, current requirements should be mentioned for the instruments and the data logger.

23. Extension of the validity of the quote.

The last date for sending the Technical Clarification / Compliance and financial / commercial implication bids will be on or before 29/04/2015. If any financial / commercial implication the vendors can send Technical clarifications separately in a Sealed Cover and financial / commercial quote / information may be send separately in a sealed cover. If any further Technical clarifications you can contact Dr. K. E. Rangarajan Ph.No.22541258 and any commercial clarification please contact Mr. Y. K. Raja Iyengar Ph.No.22541244. The technical bids will be opened on 29/04/2015 at 3.30pm.

The validity of the quotes both Technical bid and Commercial bid may be extended till May 30th 2015.

All other specifications, terms and conditions will remain same.

Stores & Purchase Officer
IIA, Bangalore. - 34.