



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

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

13<sup>th</sup> October, 2014

**CORIGENDUM - I**

Sub : Extension of date for Submission of Tender for “System for measuring  
Wind Speed, Temperature & Humidity (Wind Profiler) – reg.  
Ref : Public Tender Notice No. RFT/IND/NLST/093/14-15 Dated : 12/09/2014.

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- a) Extension of Last date for the submission of “Tender” both Technical and Commercial bids separately, extended up to 27<sup>th</sup> October 2014 at 15.00 hrs.”
- b) Technical bids will be opened on 27<sup>th</sup> October 2014 at 15.30 hrs. at IIA, Bangalore. Bidders or their authorized agents can be present at their own interest which the bids are being opened.
- c) All other terms and conditions are remaining unchanged.
- d) Herewith attached again Specification / RFP for reference.

Stores & Purchase Officer  
For Director  
IIA, Bangalore. - 34.

## ANNEXURE - I

### **Requirement of a system for measuring wind speed, temperature and humidity**

A system for measuring ambient atmospheric parameters as mentioned below, is required at the Indian Astronomical Observatory at Hanle, Ladakh, Jammu and Kashmir.

The system should consist of the following:

One anemometers each at heights of 2m, 12m, 22m and 32m above the ground level and one thermometer and one hygrometer at a height of 2m above the ground level.

Vendor should have a proven capability of having designed and installed towers of this height at various terrain from coastal areas to high altitudes. The tower design should be such that it will have very less effect on the air flow around the tower for proper measurement by the anemometers at various heights. It is preferable that the design is vetted by the structural engineering team of a National/international research institution.

The work involved is as follows:

Design of the Mechanical structure of the tower including selection of suitable material for the tower.

The design of the tower has to be done in tandem with the design of the Civil Engineering foundation of the structure. The characteristics of the soil at the location where the tower is to be installed is provided below.

The density measurements on pieces of rock (obtained from pits) showed values like 2.30gm/cc for quartzitic materials and 2.60gm/cc for gneissic materials. The grain size distribution of the matrix materials are given in figures 1 and 2. Both of them have shown nearly 80% of coarse grained material.

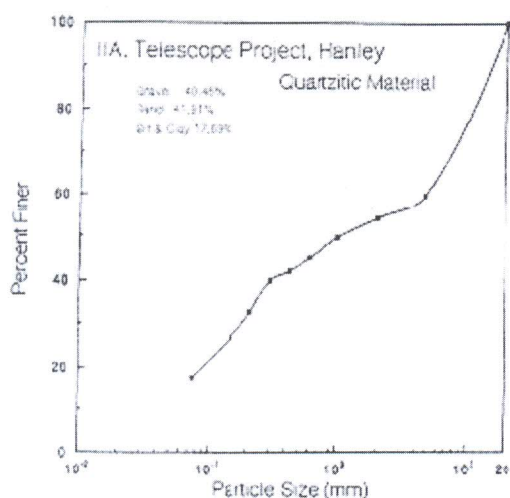


Fig 1

  
भंडार व क्रय अधिकारी  
STORES & PURCHASE OFFICER  
भारतीय ताराभौतिकी संस्थान  
INDIAN INSTITUTE OF ASTROPHYSICS  
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