INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B , Raja S.C. Mallik Road , Kolkata -32

Corrigendum Notice

Ref. Tender Notice: NIT No.: IACS/Mat.Sc/BND/2016-17/55, Dated 09/11/2016

Venue: S. N. Bose Hall, IACS (instead of C. V. Raman Hall)

Some technical clarifications:

A. UHV chamber and components.

"The diameter and the height of the chamber should be 300 mm and 500 mm respectively".

Please note that the dimensions are not rigid. Some flexibility of the dimensions is allowed in the design in order to achieve the objectives, such as the intended magnetic field, sample size etc. About 10% deviation in diameter and about 10% smaller height are all right.

The chamber vacuum should be better than $2x10^{-10}$ mbar.

1. UHV electromagnet

"Expected field at the sample is about 3k Gauss".

A magnetic field between 1k Gauss and 3k Gauss is acceptable. A higher value of magnetic field within this range is preferable.

About the sample:

The samples will be thin films deposited on substrates like Si, MgO etc.

The maximum sample size is about 15 mm x 15 mm.

3. UHV electron gun

"Capacity of the crucibles ~1.5 cc"

Suppliers may also additionally quote a system with larger, say 4ccor 5cc, crucibles.

4. Quartz microbalance with thickness monitor

A bakeout temperature of 150 ^{o}C is also acceptable.

8. Sputter ion source

Differential pumping is not necessary. We plan to fill the UHV chamber with the desired gas via a leak valve for sputtering.

B. Components for MOKE measurements

1. He-Ne laser

The operating wavelength of the He-Ne laser is ~ 632.8 nm. This will be used for MOKE measurements.