

Department of Physics

Indian Institute of Engineering Science & Technology, Shibpur

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No. 05/IIEST/Phy/Web.Not./Lab.Equip/2017-18

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Notice Inviting Quotation

Sealed quotations are invited for supply of the following items/equipments or to carry out works listed below as per mentioned specifications. The relevant bidding document can be downloaded from the website. The document can be also obtained from the Department of Physics (**Contact: Dr. A. Majumdar**) between 11.00 a.m. and 5.00 p.m. on all working days. The quotation should **include all kinds of taxes/duties and delivery charges etc** of the items and to be sent to the Office of the **Head, Department of Physics, IEST, Shibpur, Howrah-711103**. Last date of submission of sealed quotation is **7 working days from the date of publication** in the Website of the Institute and tenders will be opened on the next working day at 12 noon.

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List of item:

Specification for Contact Angle set up

Auto-dispensing Module:

Technical Specification:

- a) Fully Automatic & PC-Controlled
- b) Precision Micro-meter Controlling
- c) Dispensing Speed: 0.038-16 $\mu\text{l}/\text{sec}$.
- d) Suitable Syringe with Replaceable Needle
- e) Easy Loading / Unloading of Syringe

Surface Energy Measurement Module:

Technical Specification:

a) Compatibility

Compatible with Acam Software only

b) Surface Energy of Solids Calculation

- i) Surface Energy of Solid Substrates Measurement based on the Contact Angle of Multiple Known Liquids
- ii) Surface Energy of Solid Substrates Calculation by Harmonic Mean Method
- iii) Surface Energy of Solid Substrates Calculation by Contact Angle Hysteresis Method