

Quotations are invited for the purchase of a **Computer Controlled Unsteady Heat Conduction in Solid Apparatus** to be used for undergraduate laboratory teaching. The detail requirement is furnished below:

1. The apparatus should have an electrically heated water bath (3kW), variable speed recirculation pump (variable speed DC and computer controlled) to attain homogenous uniform temperature.
2. The solid body (made of two materials) for which temperature distribution is required must be of various shapes, namely a rectangular slab, a long cylinder and a sphere.
3. Each shape should be instrumented with a thermocouple to monitor the temperature at the centre of the shape.
4. Data acquisition should be computer controlled.
5. A comprehensive instruction manual.

**Terms and Conditions:**

1. Prices should be on FOB and CIF (IIT Kanpur)
2. Prices should include installation and training cost, and all additional charges including freight, insurance etc.
3. Discount: maximum educational-discount to be provided.
4. Warranty: no less than three (02) years after installation.
5. Quotation validity: no less than 90 days from the date of quotation submission
6. Quotations should carry proper certifications such as, agency certificates, proprietary certificates, printed company profile, detail technical specification, user-list with phone numbers.

Kindly mention "Unsteady HT: IITK/ME/aksaha/2013/01" on sealed envelope carrying quotations and additional literature including technical details. **Technical and financial bids** need to be submitted separately. The envelopes, duly sealed, should reach the following address **on or before 15<sup>th</sup> September, 2013**. Any questions, technical or otherwise should be directed to the undersigned via fax, phone and/or e-mail.

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