DEPARTMENT OF PHYSICS

INDIAN INSTITUTE OF TECHNOLOGY DELHI

HAUZ KHAS NEW DELHI-110 016

NOTICE INVITING QUOTATION

Date: 30.08.2011

Last Date of submission: ~~14.08.2011~~ 14.09.2011

Sealed quotations are invited for the purchase of Teslameter(s), to measure flux density for both direct and alternating field.

A. Essential technical requirements and specifications:

It should be supplied with detachable hall probes for measuring the axial and tangential field. The above probes should be supported with clamp/stand to avoid damaging them, for accurate positioning and precise measurement.

(I) Measuring Range : 10^{-5} to 1 T. (III) Indicating Range: 10^{-5} to 2 T.
(III) Accuracy: (a) Direct Field: ± 2% or better, (b) Alternating field 50 to 500 Hz: ± 2% or better, 500 to 1000 Hz: ± 3% or better. (IV) Temperature Coefficient: < 0.04%/K or better. (V) Hall Probe Axial: Probe length (without handle) min. of 300 m.m., Diameter of the stem: 4-6 m.m. To allow measurements to be taken even in the middle of long coils, Hall Probe, tangential Digital display, Zero adjustment controls, selector switch for range and field. (VI) Supply voltage: 230 Volts AC ± 10% or better, (VII) Sensor material: Moncrystalline GaAs or materials with higher Hall sensitivity.

B. **Preferable:** (I) With analog output for connecting external measuring instrument, (II) not more than 9500 cm^3 and 0.5 kg.

C. **Terms and conditions covering submission of quotations:**

1. Delivery: The rates quoted must preferably be for IIT Delhi
2. Terms of payment:
3. Validity of quotations: Quotations must be considered valid for three months from the date of receipt.
4. Submission of quotations: Quotations (technical and price bids in separate sealed cover) should be sent in a sealed cover marked at the top **'Teslameter'** to the following address:

Price quoted should be on FOB basis.

Address for correspondence:-
Dr. Santanu Ghosh
Department of Physics
Indian Institute of Technology Delhi
Hauz Khas, New Delhi-110 016
India

D. K. Pandya P. Srivastava R. Singh S. Ghosh