



केन्द्रीय इलेक्ट्रॉनिकी अभियान्त्रिकी अनुसंधान संस्थान

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EXPRESSION OF INTEREST FOR PROCUREMENT OF “ HALL EFFECT MEASUREMENT SYSTEM”

Director, CEERI, Pilani invites interested manufacturer / authorized distributors only to participate in pre-indent conference for procurement of **Hall Effect Measurement System** on 16.08.2011 at 2.30 P.M. in CEERI new conference room. The interested participants should bring supporting documents i.e. leaflets/technical literature and also be able to deliver technical presentation of equipment at CEERI, Pilani at their own cost. The details of expression of interest i.e. Hall Effect Measurement System is required for the measurement of resistivity, Hall coefficient, carrier concentration and mobility in semiconductors including GaAs, GaN, Si, ZnO etc. The measurements should meet ASTM F-76 standard 0.5-0.55 Tesla rare earth permanent magnet, four numbers of micromanipulator probes, probe system, stereo microscope and capable to handle small samples to 2” wafer. PC controlled system with Windows based supporting software Hall calibration set. AC/DC measurement modes. Liquid nitrogen cryostat with variable temperature capabilities should be at least 100 K to 450 K (with sample size minimum 15 mm x 15 mm). Sheet Resistance range : 0.1 m Ω /square to 100G Ω /square. Mobility range : 1 to 10⁷ cm²/Vs. Carrier concentration up to 10²¹ cm⁻³. Specific requirement: Proven record of supplying the similar Hall Effect Measurement System to R & D Labs along with the list of users/customers for GaN semiconductors and system should be table top and standard one (not the custom built).

Stores & Purchase Officer