

Quotations are invited for the purchase of a **Six Components Force and Torque Sensor (Load Cell)** to be used for measuring force and torque acting on a body. The detail requirement is furnished below:

1. Maximum Force and Torque: Fxy: around ± 250 N, Fz: around ± 500 N, Txy: around ± 1.5 Nm, Tz: around ± 1.8 Nm.
2. Resonance Frequency: For all components, around 2500Hz.
3. Physical Size: around 50 gms and size of around 25mm cube.
4. Should have Power Supply and Interface/Power Supply.
5. Bus-Powered Multifunction DAQ card for data acquisition.
6. External Power Source (Low Power: around 25W, 220V, 50Hz)
7. Should be suitable for underwater application upto a depth of 4m.
8. Maximum allowable overload should be around 5 times rated capacities.
9. Sensor should provide signals with High Signal-to-Noise Ratio.
10. 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 (03) 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 "FT Sensor: IITK/ME/aksaha/2013/02" 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 19th September, 2013**. Any questions, technical or otherwise should be directed to the undersigned via fax, phone and/or e-mail.

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