

**Department of Mechanical Engineering
Indian Institute of Technology Delhi**

Notice Inviting Quotations

April 16th, 2013

Subject: Purchase of a Force/Torque Sensor.

Interested parties are requested to submit quotation for the following item in sealed envelopes to the undersigned in Block-II, Room-420 or M.E office latest by **5 PM on 6th of May, 2013.**

A. One Force/Torque sensor with the following specifications

- Provision of fitting with the end-effector of KUKA KR5 industrial robot
- Able to measure the force/torque on the gripper
- Measured values should be in the form of analog voltage that should be compatible with NI DAQ (no separate display unit required)
- Easy integration with LabVIEW
- Range of measurement for force (Fx, Fy, Fz) and torque/moment (Mx, My, Mz) as in table below:

	Fx (N)	Fy (N)	Fz (N)	Mx (Nmm)	My (Nmm)	Mz (Nmm)
Range of Measurement (+ / -)	25	25	35	250	250	250
Resolution (+ / -)	1/160	1/160	1/160	1/32	1/32	1/32
Single Axis Overload	250	250	480	1.6	1.6	1.8

B. Terms and Conditions

- Technical and financial bids should be in two separate envelopes. Write clearly "Technical" and "Financial" on the cover of the envelopes. Both will be put in a bigger envelop.
- For imported items, provide quotations in
 - (i) Indian Rupees(INR) and
 - (ii) Foreign currency
- Payment will be made after successful installation.
- The validity of the quotation should be at least six months.
- The prices should be quoted CIF IIT Delhi.
- Delivery schedule should be mentioned, not exceeding 12 weeks after the receipt of order for IIT Delhi.
- Any other terms must be clearly mentioned.



Prof. S.K. Saha

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