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:

<table>
<thead>
<tr>
<th></th>
<th>Fx (N)</th>
<th>Fy (N)</th>
<th>Fz (N)</th>
<th>Mx (Nmm)</th>
<th>My (Nmm)</th>
<th>Mz (Nmm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of Measurement</td>
<td>25</td>
<td>25</td>
<td>35</td>
<td>250</td>
<td>250</td>
<td>250</td>
</tr>
<tr>
<td>Resolution (+/-)</td>
<td>1/160</td>
<td>1/160</td>
<td>1/160</td>
<td>1/32</td>
<td>1/32</td>
<td>1/32</td>
</tr>
<tr>
<td>Single Axis Overload</td>
<td>250</td>
<td>250</td>
<td>480</td>
<td>1.6</td>
<td>1.6</td>
<td>1.8</td>
</tr>
</tbody>
</table>

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.

Distribution:
1. PAR Lab (Notice Board)
2. M.E Office (Notice Board)
3. IRD (Notice Board)
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Prof. S.K. Saha