Department of Mechanical Engineering  
Indian Institute of Technology Delhi  

Notice Inviting Quotations  

July 1st, 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 14th July, 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  
- 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>30</td>
<td>30</td>
<td>100</td>
<td>2500</td>
<td>2500</td>
<td>2500</td>
</tr>
<tr>
<td>Resolution (+/-)</td>
<td>1/80</td>
<td>1/80</td>
<td>1/40</td>
<td>1.0</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Single Axis Overload</td>
<td>500</td>
<td>500</td>
<td>1000</td>
<td>75</td>
<td>75</td>
<td>75</td>
</tr>
</tbody>
</table>

B. Terms and Conditions  
- Technical and financial bids should be in two separate envelopes. Clearly mentioned “Technical” and “Financial” on the cover of the envelopes. Put both envelopes in a bigger sealed envelope.  
- For imported items quotations may be provided in  
  (i) Indian Rupees(INR) and  
  (ii) Foreign currency at F.O.B rates  
- 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.  
- Warranty should be of one and half year or above from the date of successful installation.  
- Any other terms must be clearly mentioned.  

Prof. Sudipto Mukherjee  

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