

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

**Notice Inviting Quotations**

November 12, 2014

**Subject:** Supply of end effector and workbench for “KUKA LBR iiwa”.

Sealed quotations (Technical and financial) are invited for supply of two finger gripper for KUKA LBR iiwa. The quotations should reach the undersigned in the following address latest by 17:00 hrs on November 30, 2014.

Prof. Sudipto Mukherjee  
Dept. of Mechanical Engineering  
IIT Delhi, Hauz Khas, New Delhi 110 016

**Item:** Supply of customized two finger pneumatic gripper and accessories for “KUKA LBR iiwa” and workbench for “KUKA LBR iiwa”.

**Specifications**

1. Two finger Gripper:
  - a. Stroke per finger : at least 10 mm
  - b. Gripping force : 500 N
  - c. Weight of the gripper : less than 1.0 Kg
  - d. Min finger length : 140 mm
  - e. Weight of each finger : less than 0.5 Kg
  - f. Customized two fingers with V notch of 90° and 10 mm depth.
2. Workbench for KUKA LBR iiwa
  - a. 1600 × 1600 surface at a height of 865 mm of MS construction.
  - b. Provision to accommodate controller of the robot.
  - c. Exhaust (Blower) for the controller.
  - d. KUKA lbr iiwa E-stop and mounting accessories.
  - e. Provision for earthing cables, Lugs and accessories.
  - f. Build in 5A SMPS with MCB, Fuse and cabling inside the I/O panel.
  - g. I/O panel Box with DIN rail, door lock with key for SMPS, Ethernet CAT couple mounting.

**Terms and Conditions:**

1. 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 clearly labeled as “**end effector and workbench for KUKA LBR iiwa**”. For proprietary item, please include a proprietary certificate and sole dealership authority if applicable.
2. Items should be approved for use of KUKA LBR iiwa Robot.
3. Excise duty / Custom duty exemption certificate will be provided from IIT Delhi.
4. Payment will be made after satisfactory installation as per IIT norms.
5. The validity of the quotation should be at least three months.
6. The prices should be quoted FOB IIT Delhi.
7. Delivery schedule should be mentioned, not exceeding 6 weeks after the receipt of order for IIT Delhi.
8. If there is any Indian agent associated with the foreign supplier, then an appropriate “Letter of Authorization” certificate has to be provided with the quotation.
9. Warranty should be of Two years for “pneumatic gripper” and 5 years for “finger and workbench”, or more from the date of successful installation.
10. Taxes as applicable should be indicated clearly.
11. The institute reserves the rights to accept/reject any/all quotations without assigning any reasons thereof.
12. No advance payment will be possible.
13. Country of origin should be mentioned.
14. Any other terms must be clearly mentioned.

**Prof. Sudipto Mukherjee**

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