

Department of Electrical Engineering

Indian Institute of Technology, Kanpur

March 19, 2016

Reference No: IIT/EE/LB/2016-17/P/02

Sub: Inviting sealed quotations for UR5 ROBOT.

Sealed quotations are invited for a **UR5 Robot** of the following configuration. Our organization is an educational institute of repute and liable to get educational discount from the manufacturer or supplier. Please specify the discount separately.

The submitted quotations should have complete technical specifications for your product for each part/component and accessories. Please specify company name and model number. Also attach technical brochure. Financial details i.e. budget quotation should be in a separate sheet specifying taxes and discounts clearly.

The envelope should be marked as UR5 Robot: IIT/EE/LB/2016-17/P/02

UR5 Technical Specifications:

6-axis robot arm with a working radius of 850 mm / 33.5 in

- Weight: Around 20 kg
- Payload: around 5 kg
- Joint ranges: +/- 360°
- Speed: All joints: 180°/s. Tool: Typical 1 m/s.
- Repeatability: +/- 0.1 mm / +/- 0.0039 in (4 mils)
- Degrees of freedom: 6 rotating joints
- Communication: TCP/IP 100 M bit: IEEE 802.3u, 100BASE-TX, Ethernet socket & Mod bus TCP
- Programming: Polyscope graphical user interface on 12 inch touch screen with mounting
- IP classification: IP54
- Power consumption: Approx. 200 watts using a typical program
- Materials: Aluminum, PP plastic
- Temperature: The robot should be working in a temperature range of 0-50°C
- Power supply: 100-240 VAC, 50-60 Hz
- Cabling: Cable between robot and control box (6 m / 236 in)
Cable between touch screen and control box (4.5 m / 177 in)

Terms and conditions:

Kindly send your offer (original, signed in sealed envelope) for the above item mentioning the follow:

- All quotation must reach undersigned by Monday March 28, 2016.
- Maximum educational discounts should be applied
- Institute is exempted for payment of Excise Duty under notification No. 10/97
- Validity of quotation should be at least for 60 days.
- Warranty/Guarantee should be clearly mentioned.
- Normal payment terms for the institute will be applicable (90% on delivery of the items and remaining 10% after satisfactory installation/inspection).
- Quotation should carry proper certifications like agency certificate, proprietary certificate, etc
- The delivery should be specifically stated. Earlier delivery may be preferred.
- The indenter reserves the right to withhold placement of final order. The right to reject all or any of the quotations and to split up the requirements or relax any or all of the above conditions without assigning any reason is reserved.
- Price must include all taxes and charges (including delivery, installation, training etc.)

Last date for submission of quote: March 28, 2016 (12.00 pm).

The Quotation in sealed envelope should be sent to the following address:



Prof. Laxmidhar Behera

Western lab-Room No.212A

Email: lbehera@iitk.ac.in

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