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Indian Institute of Technology Kanpur
National Centre for Flexible Electronics

Enquiry number: SCDT/FlexE/2017-18/02 **Date: 18/04/2017**

Opening Date: 05/04/2017
Closing Date: 18/04/2017
Extended closing Date: 24/04/2017

Subject: Purchase of Mechanical stirrer.

Sealed Quotations from prospective vendors are invited by National Centre for Flexible Electronics, IIT Kanpur for the purchase of **"Mechanical stirrer"** with following specifications:

Note- All vendors are requested to submit **"technical and financial bids"** together in separately sealed envelopes.

Equipment Description (Technical requirements): We are looking for digital overhead stirrer for the use of chemical glass reactor with the following technical specification; **Specifications for Mechanical stirrer:**

1. System should be Easy-to-read and easy-to-use LCD display.
2. All information regarding set speed, real speed, torque and timer and actual parameter values should be displayed.
3. System operating time can be set up to 999:59 minutes; automatic switch off.
4. It must have ensures constant speed even when the viscosity changes and maximum torque should be 80 Ncm.
5. It should have capacity to stir viscous liquids up to 50 000 mPa*s viscosity.
6. System speed regulation should be from 50 to 2000 rpm.
7. Stirring up to 40 liters of water/liquid/paste.
8. System should have Soft start to prevent splashes and the creation of bubbles.
9. System must have emergency stop in case of blocked.
10. System should have overload, overcurrent and over temperature protection.
11. Hand-tightened chuck, no tools should be required
12. System chuck range should be starts from 1 - 10 mm or better
13. System electronic protection rating should be CEI EN 60529: IP 40
14. System must supplied with suitable H stand, Boss head and clamp, which should be chemical resistant and rust proof.
15. The System accessories should be quoted as optional Items.
    a. Stirring shaft with Anchor shape made up with stainless steel/stainless steel with Teflon coating
    b. Stirring shaft with propeller made up with stainless steel
    c. Stirring shaft with paddle (with holes) made up with stainless steel

Terms and Conditions:

1. Evaluation will be done on the basis of technical specifications as per our tender notice.
2. Financial bids will be open only for those, who meets all technical specification.
3. Please do mention tender number clearly on envelop.
4. Please send the name and contact details of the person to whom company had supplied a similar systems. Committee may ask for the feedback.
5. The supplier must have supplied systems to institutions of national and/or international repute.
6. Quotation must indicate FCA or FOB prices.
7. Payment terms & condition is 70% against delivery, 20% after installation and 10% after successful running of equipment for 3 months & approval.
8. Warranty/Guarantee should be clearly mentioned. The Warranty must start from the date of installation at IITK.
9. Installation, demonstration, and training-sessions at IIT Kanpur will have to be provided by the manufacturer or the vendor for the quoted system.
10. Quotation should carry proper certifications like proprietary certificate, authorization certificate from manufacturer, etc.
11. Validity of quotation should be at least for 60 days.
12. Maximum educational discounts should be applied.
13. Institute is exempted for partial custom duty (CD applicable to IIT Kanpur is 5.15%).
14. Institute is exempted from payment of Excise Duty under notification No. 10/97.
15. The delivery period should be specifically stated. Earlier delivery may be preferred.
16. 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.

Kindly send the quotation in sealed envelope latest by dated 24/04/2017 to the following address;

To,

Dr Ashish,

Room No.310,

Samtel Centre for Display Technologies (SCDT), Indian Institute of Technology Kanpur,

Kanpur – 208016, Uttar Pradesh, India