

**Advanced Center for Materials Science (ACMS)
Indian Institute of Technology Kanpur**

Date: 16/09/2013

IITK/ACMS/Pin-on-Disc Wear Tester

We are interested to purchase one Pin-on-Disc Wear. The proposed machine should comply with or be better than each of the specifications mentioned below

Essentials:

1. Wear and Friction Tester
2. Wear Track Diameter: up to 60 mm
3. Wear Range: up to 1.5 mm
4. Test Specimen Dimensions: Diameter: min 4 mm; length: min 5 mm
5. Disc Speed: up to 1000 rpm
6. Frictional and Normal Force: up to 60N
7. Data Acquisition Software along with Windows XP PC
8. Disc Material: EN31
9. Thermocouple for temperature measurement of the sample during testing

Accessories:

1. Spare set of Lever Assembly, displacement transducer, wear and friction sensor to be quoted separately
2. One dozen spare set fuses
3. 6 no. spare EN31 discs
4. One spare set of data acquisition card
5. One spare thermocouple

Please carefully note and comply with the following instructions. If any of the instructions are not followed, the submitted bid will be disqualified.

1. Please submit your bids in two separate envelopes named "Technical Bid" and "Price bid". The Technical bid should contain the detailed technical specifications of the proposed machine, photographs of the machine and other accessories offered. The Technical Bid should not contain any prices. The Price Bid should contain the technical specifications as well as prices in details.
2. The prospective supplier should be either original manufacturer or 100% subsidiary or authorized agent of the original manufacturer of the offered machine. The Technical Bid should contain an original certificate obtained from the principal company to this effect.
3. The prospective supplier should have supplied the offered machine to at least 3 government or government-affiliated institutes, which should be either an IIT, IISc, NIT or a national laboratory like NML, NCL etc. The list of such personals having this machine and their contacts should be included in the Technical Bid.
4. Each of the envelopes should be appropriately marked as either "Technical Bid" or "Price Bid". Enclose the two sealed envelopes in another bigger sealed envelop and send it to the address mentioned below.
5. The bids should reach the undersigned before **5 pm on 26th September 2013**.

Dr. Anish Upadhyaya

Head, Advanced Center for Materials Science (ACMS)

Indian Institute of Technology, Kanpur, UP 208016

e-mail: anishu@iitk.ac.in