Dated: 16-06-2026
Letter No. IIITDMJ/SGM/FIG/2026/01

To,
_____
_____
_____
Email:
Phone:

Sub: Inviting quotation for purchasing a pin on disk wear testing machine

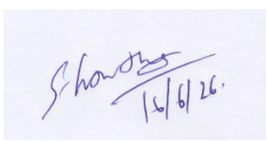
Dear Sir/Madam,

The Institute intends to procure a pin on disk wear testing machine (as per the specification provided in Annexure-I) for the faculty initiation grant project. You are invited to participate in this bidding process and submit your quotation for the supply and installation of the complete set-up with the following terms and conditions.

Please submit your lowest offer by 02-07-2026, subject to the following terms and conditions**.**

1. Interested Firms/Parties should submit documentary proof (photocopy) of the following:
   a. Valid Registration Certificate of the firm.
   b. GSTIN and PAN Number.
   c. Experience in supplying to Government/Educational Institutions/Reputed Organisations.
   d. A certificate from the OEM (Original Equipment Manufacturer) confirming that the bidder is an authorised dealer/distributor for the product or is authorised to submit a quotation for the said equipment in response to this invitation.
2. The rates quoted should be for the destination. inclusive of all applicable taxes/statutory levies (GST or any other applicable central/state government taxes, transportation, etc.). No additional charges shall be entertained by IIITDM Jabalpur.
3. The supplier must ensure **technical support** (email/phone/online) for installation and operation issues for a **minimum of 2 years** from the date of installation.
4. License keys and installation files/access credentials, if any, must be **delivered within 15 working days** from the date of issue of the work order.
5. Sealed quotation through speed post/register post should reach on or before **3.00 PM, 02/07/2026**, to the **AR (Purchase), PDPM-IIITDM Jabalpur, Dumna Airport Road, Mehgawan, Jabalpur-482005**.
6. The Institute reserves the right to reject any or all bids without specifying any reasons thereof.
7. For any technical queries regarding the indented item or its specification or compatibility, please refer to Annexure-I or contact the undersigned at: gowtham@iiitdmj.ac.in
8. Any delay or failure in delivering the items due to administrative or technical issues will be the responsibility of the supplier.
9. All disputes will be subject to jurisdiction in Jabalpur, Madhya Pradesh.
10. The supplier are bound to provide 01 year comprehensive warrenty

Thanking you,



(Dr Gowthaman S)
Project Investigator

ANNEXURE-I

FEATURES :

1. Conforms to ASTM G 99 standard.
2. Point, Line and Area contact geometry.
3. Pin, ball and disc application.
4. Measurement of wear, friction, co-efficient of friction.
5. Performs test under different sliding speed and wear conditions.
6. Online data acquisition for wear, friction, Temperature.
7. Chamber for collecting debris after test.
8. Environmental chamber for specific test application.
9. The recirculation lubricant system can be switched on or off via software control.
10. The system enables precise RPM control via software
11. Software-based temperature control
12. The system allows time to be set via software control
13. Software-enabled Auto/Manual mode selection
14. The testing software is developed using LabVIEW or Python platforms

Technical Specifications:

1. Specimen contact Geometry - Point, Line and Area
2. Specimen - Pin, Ball and Disc
3. Sliding Velocity - 0.5 to 10m/s
4. Disc rotation Speed - 100 to 2000 rpm
5. Normal Load applied (dead weights) - Up to 20Kg
6. Frictional Force measurement Range - Up to 20Kg
7. Wear Measurement Range - ±2mm
8. Test duration - 99hrs:59min:59sec
9. Wear disc diameter - Ø 160mmX8mm (58-60HRC)
10. Wear disc - Hardened bearing steel
11. Wear Track for sliding distance - 10 to 140 mm
12. Test Specimen Pin Diameter - Ø 4mm to Ø12mm
13. Test Pin Length - 25 to 30mm