

**DEPARTMENT OF APPLIED PHYSICS
DELHI TECHNOLOGICAL UNIVERSITY
BAWANA ROAD, DELHI- 110042**

Date: 07/07/2025

NOTICE INVITING QUOTATIONS

Sealed Quotations on company's letter head with GSTIN no. are invited for the procurement of Customized Piezo Tribo imparting Machine for Advanced Material and devices Laboratory (AMDL), Applied Physics Department with the descriptions mentioned below. The sealed quotations can be submitted in the HOD office of Department of Applied Physics, DTU by 14th July, 2025.

S.No	Description of Item	Make	Quantity
1.	Customised Piezo Tribo imparting machine (Nano generator) TPI-8 1. Base size : 200 mm (Minimum) 2. Dynamic Impact load: 0.1 to 0.7 Kg (recommended 0.5 kg for piezo application max) 3. Data display (Digital) 4. bed size: 10 cm* 10 cm or more 5. Z axis movement adjustment: 7 cm 6. Controller: Yes (pwm) 7. Actuator: Electrodynamic 8. Jerk control: Flexi & Rigid 9. Frequency control: Digital PWM1 to 999 Hz and (Recommended 1 to 8 Hz for Piezo testing) 10. Chassis: Metal 11. EM Shield: yes 12. Power: 220V AC / 15VDC optional/24VDC 13. Earthling: 2mm 14. Power Backup: Rechargeable Battery 7AH 15. Energy meter = Yes 16. Faraday cage principal has been followed to avoid external EM signal interference with electronic circuits and control. 17. Environment chamber 18. IR heat source & controller (ambient to +40 O C or more) 19. RH Monitoring 20. Weighing Scale (Sansui make 5 Kg) Bluetooth connectivity with mobile app. 21. External function generator connectivity in case of electrodynamic actuator 22. Force pattern can be changed in case of electrodynamic actuator 23. SS 304 grade base plate, Silicon base pad	Any	1 set

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