

हिन्दू महाविद्यालय

( दिल्ली विश्वविद्यालय )

दिल्ली-110007

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Hindu College

UNIVERSITY OF DELHI

DELHI - 110 007

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15.9.2025

Scaled quotations are invited for the supply of the following apparatus/item on Department of Physics, Hindu College, University of Delhi, Delhi-110007. Prospective suppliers are encouraged to provide a demonstration of the apparatus in the Department of Physics on 14.10.2025 and 15.10.2025. The sealed quotations must be received no later than October 10, 2025. The outer envelope should clearly mark the title "Quotations for Physics Department".

| S.No | Item/ Apparatus   | Technical Specifications   |
|------|---|--|
| 1    | Tunnel Diode Apparatus  | Tunnel Diode IV set-up.  |
| 2    | Planck Constant determination using LED set up                                    | Complete set up for Planck Constant determination using transparent Light Emitting Diodes of different colours..   |
| 3    | Electrical Vibrator for Melde's Experiment  | Meldes experiment set up along with electrical vibrator with frequency 50-60Hz.  |
| 4    | Set up to verify conservation of angular momentum in collisions on air track      | Complete setup with a standard Air track, photogate and timer, photogate mounting bracket (two), collision cart / Gliders with known masses (two), Various collision accessories.            |
| 5    | Set up to determine g from a freely falling object using digital timing technique | Complete set up to determine g through free fall of an object using digital technique using photo-detectors which must include a power supply sensors along with steel balls and R J cables. |
| 6    | Hydrogen lamp of good intensity   | High intensity Hydrogen spectrum discharge tube of length 10cm, diameter = 12 mm, with its electronic unit. Operating Voltage 5000V, 20 mA   |

*Anish*

*Aj*

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| S.No | Item/ Apparatus   | Technical Specifications   |
|------|---|--|
| 7    | Set up to determine wavelength of a LASER source using diffraction from a single slit | Complete set up with Diode Laser, Voltage stabilizer, Single slit with adjustable-width aperture along with optical bench with holders (at least 3): Sliding stands or uprights to securely hold the laser, slit, and screen on the optical bench. Viewing screen.       |
| 8    | Set up to determine wavelength of a LASER source using diffraction from double slits. | Complete setup with Diode Laser, Voltage stabilizer, Double slit with adjustable-width aperture/ variable slit width, Optical bench, holders (at least 3): Sliding stands or uprights to securely hold the laser, slit, and screen on the optical bench, viewing screen. |
| 9    | Complete set up for elastic constant determination by Searle's method                 | Determination of elastic constant of a wire by Searle's method.  |
| 10   | Spring Constant setup   | Spring constant set up along with series and parallel combination with springs of spring constant 12-15 N/m.   |
| 11   | Diode Laser (Green) with power supply and stand up to 30mW                            | Minimum 20mW Power   |
| 12   | Diode Laser (RED) with power supply and stand up to 30mW                              | Minimum 20 mW Power  |
| 13   | Numerical Aperture set up with optical breadboard                                     | Laser source (Diode) with Photodetector with digital display photometer.   |

*Amit*

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