

हिन्दू महाविद्यालय

( दिल्ली विश्वविद्यालय )

दिल्ली-110007

दूरभाष : 2766 7184

फैक्स : 2766 7284

ई-मेल : principal@hinducollege.org

वेबसाईट : www.hinducollege.org



Hindu College

UNIVERSITY OF DELHI

DELHI - 110 007

PHONE : 2766 7184

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9/5/16

Dated: 20/12/2016

**Tender for the purchase of Laboratory Equipment**

Tenders are invited for the purchase of Laboratory Equipment/components under Department of Physics. The list of equipment along with the specifications is attached as Enclosure-I.

It is requested that the following protocol should be carefully observed in every detail while submitting the tender; otherwise the tender may not be considered.

1. The tender shall be submitted in a two bid process i.e. technical and financial bid shall be enclosed and sealed in separate envelopes.
2. Both the sealed envelopes shall be enclosed and sealed in single envelop.
3. The tender shall be addressed to the Principal, Hindu College, University of Delhi, Delhi - 110 007.
4. The words "Tender for Laboratory Equipment for Physics Department" should be written prominently on the envelope.

**Last date of submission of the tender is 02 January 2016 on or before 4:00 PM to S.O. Administration, Hindu College.**

For,

Teacher-in-charge

Officiating Principal

Sr. No.	Required Equipments	Specifications
1.	Measurement of Planck's constant using black body radiation and photo detector	
2.	Photo-electric effect	Photo current Vs Intensity and wavelength of light; maximum energy of photoelectrons Vs frequency of light
3.	Planck's constant using LED's of at least 4 different colour	
4.	e/m by magnetic focusing	With long tube
5.	Photo detector	For Laser light
6.	Resistivity and energy band gap by four probe method	With temperature variation attachment
7.	Verification of Stefan's law and determination of its value	not with normal bulb
8.	Constant current source	Low current range: 0-20 mA High current range : 20-500 mA
9.	Grating	600 lines/mm
10.	Cathode Ray Oscilloscope (CRO)	
11.	Inductor coils, 10mH, 250 mH and 500 mH	With minimum resistance
12.	Measurement of B and its variation in a solenoid (determination of dB/dx)	
13.	Microprocessor kit , 8085 & Microcontroller kit, 8051	
14.	Thermometer	With least count 0.2 °C
15.	Stopwatch	Digital / Analog
16.	Galvanometer, Voltmeter and Ameters	With high sensitivity and different ranges
17.	Constant Power supply	5V
18.	Breadboards	Good quality
19.	Kater's pendulum set	Good quality
20.	Wires for Searles's method to determine elastic constant	Only wires
21.	Digital Multimeters	Good quality
22.	Vernier Caliper	Good quality
23.	Screw gauge	Good quality
24.	Fly Wheel setup	Good quality
25.	Newton's ring setup	With sodium source and without sodium source
26.	Spectrometer	Good quality, Preferably OSAW make
27.	Reading lenses	With LED lights
28.	Dual Power supply	for Op-Amp
29.	Transistors	547/548; npn and pnp both
30.	He-Ne Laser source	Good quality
31.	Prism	Good quality
32.	LCR Meter (SM 6019) (Scientific)	With sample Holder and high temperature attachment (up to 400 °C)

For-  
Teacher-in-charge  
(Department of Physics)

Officiating Principal