



NETAJI NAGAR DAY COLLEGE

(Under Graduate & Post Graduate Institution)

Affiliated to University of Calcutta

Accredited by NAAC (B⁺⁺)

170/436, N.S.C. BOSE ROAD

REGENT ESTATE – KOLKATA - 700092

Ref. No: NNDC PHY 2021 NOV 01

Date: 09.11.2021

Netaji Nagar Day College invites sealed quotations along with necessary information such as GST No., TAN etc. from reputed, experienced companies/ firms/ agencies for supply of **Laboratory Equipment of Physics Department.**

Sl. No.	Item/ Equipment	Specifications	Qty	Rate (Rs.) per unit	GST (Rs.) per unit	Price (Rs.) per unit (Including GST)
1.	Complete setup to Measure Plank constant using LED	<p>Self-contained setup that requires no other accessory</p> <p>LED Type: Super bright LED Size: 5 mm LED colours: Green, Red, White and Yellow</p> <p>Variable DC Supply (0-3 Volt) Digital DC Voltmeter: 0-20v Digital DC Ammeter: 0-200mA</p>	01			
2.	Complete setup to determine e/m of electrons by using bar magnet	<p>Power supply: fitted with a Voltmeter (0-50V DC) to measure the deflecting voltage.</p> <p>Potentiometers: mounted on the front panel for focus control, intensity Control & X, Y shift controls</p> <p>Eight-pin octal base: mounted on front panel to connect the CRT plug</p> <p>Cathode Ray tube (CRT): mounted on the wooden stand</p> <p>Bar magnets: 1 pair Compass box: 1No</p> <p>Wooden stand having two arms (fitted with scales) and the option to accommodate cathode ray tube in its middle</p> <p>Another wooden stand to place the compass box in the center</p>	01			

3.	<p>Complete setup to study the photoelectric effect:</p> <p>(i) photo current vs intensity and wavelength of light</p> <p>(ii) maximum energy of photo-electrons vs frequency of light</p>	<p>Variable DC Regulated Power Supply Output voltages: 0-1 VDC Voltmeter: 0 - 2 VDC (Digital) Ammeter: 0 - 200 Micro ADC (Digital)</p> <p>Photocell mounted on wooden box having windows for injecting light and also for sliding the various filters.</p> <p>Three round filters of different colours (Red, yellow, Green & Blue) Lamp holder with 60watt bulb</p>	01			
4.	<p>Complete setup to show the tunnelling effect in tunnel diode using I-V characteristics</p>	<p>Self-contained setup to Plot V-I Characteristic & Resistance Characteristic of Tunnel Diode in Forward Bias</p> <p>Inbuilt Fixed DC regulated power supply Output Voltage: +5VDC</p> <p>Digital panel meter for measuring voltage across resistance and voltage across tunnel diode</p> <p>Potentiometer & Diode</p> <p>Tunnel Diode: IN 3717</p>	01			

Last date of Quotation submission: 18.11.2021

Quotation should be submitted at the office (Monday-Friday: 11:00 A.M. to 3:00 P.M. and Saturday: 11:00 A.M. to 2:00 P.M.)

SBgash 09.11.2021

(DR. SONALI BANERJEE JASH)

Principal

Netaji Nagar Day College

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Netaji Nagar Day College
Kolkata - 700 092