

**DESHBANDHU COLLEGE
KALKAJI, NEW DELHI-110019**

QUOTATIONS FOR INSTRUMENTS

Date: 12.04.2023

Sealed Quotations are invited for instruments required in Physics Laboratory, Deshbandhu College with following specifications. The quotation must be addressed to "The Principal, Deshbandhu College, University of Delhi, Kalkaji, New Delhi – 110019 and reach by **24.04.2023, 5.00 P.M.** :

S. No.	Name of Item	Specifications	Qty. (No.)	Rate	Amount
1	Planck's constant using vacuum photocell	Photocell enclosed in vacuum tube; light source having 100 Watt power; three color filters, Power supply with voltmeter and ameter.	4		
2	Diffraction grating	Having 15000 lines per inch	2		
3	Hydrogen tube/lamp	Hydrogen spectrum tube for spectrum analysis	2		
4	Prism (Flint & extra dense)	Refractive index at least 1.648, side size 32 x 32 mm	10		
5	Platinum resistance thermometer (PRT)	Temperature stability upto 150 °C; enclosed in glass tube, steel/brass frame holder	4		
6	Potentiometer (10 wire)	10 Wires framed on wooden fram; uniform wire with jokey	5		
7	Callender & Barnes Apparatus	Wooden frame, Nichrome wire, power supply, 2 thermometers, Galvanometer, Voltmeter, Rubber tube 2 meter, Pinch clip, Digital Stop watch, Measuring cylinder, beaker 500 ml.	2		
8	Geyser	Capacity 5 litres	1		
9	Lee's Disc Apparatus	Brass disc, thermometer-2 nos., 2 litre steam boiler, Hot plate, stand for holding the disc	2		
10	e/m by Magnetic Focusing	Complete set up: CRT tube/monitor, magnet bars	2		
11	Electromagnet DC Power Supply, 5 Amp	Only power supply for the electromagnet, max current 5 Amp., forward and reverse options	2		
12	Quincke' tube with electromagnet	Setup; Electromagnet Power supply, Gauss Probe with stand, Reading microscope; Gauss meter Quincke's Tube -2 (Glass), Ferric chloride	1		

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13	Carey Foster Bridge with copper strips	Copper stripe and Jokey	5		
14	Microprocessor kit with in- built power supply	Training kit based on microprocessor 8085. Framed in wooden box; built in power supply	1		
15	Analog Super sensitive Galvanometer		5		
16	Rheostat	Standard model	4		
17	Resistance Box	Fractional Resistance Box (0.01-1 Ω)	4		
18	Thermocouple probe	Copper-constantan; Cable length at least 1 meter	5		
19	Table lamp	Filament Bulb based with on/off switch	10		
20	Digital physical weighing balance	Weighing capacity 0.1 gm to 2 kg	01		
21	Analog AC Milli ammeter	Current measuring capacity 0 mA to 25 mA; framed in a stand	05		
22	Analog DC Micro ammeter FRONT TERMINAL framed in STAND	Type	Quantity	05 (One each type)	
		0-10 μ A	01		
		0-100 μ A	01		
		0-25 μ A,	01		
		0-500 μ A	01		
0-50 μ A	01				
23	Analog DC Milli ammeter	Type range	Quantity	05 (One for each type)	
		0-10 mA	01		
		0-100 mA	01		
		0-250 mA	01		
		0-500 mA	01		
0-1000 mA	01				
24	Travelling Microscope	Magnification of objective lens at least 10x	04		
25	Resistance box	Range from 1 Ω to 10000 Ω	04		
26	Analog AC Micro Ammeter	Range in between 0 to 100 and 500 μ A	05		

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Terms & Conditions:

1. The quotations should contain the complete technical specifications.
2. The quotations should be valid for 120 days from the date of submission.
3. All prices quoted must be inclusive of GST and all taxes.
4. The College reserves the right to accept or reject or cancel any tender or modify or relax any part of the tender offer, without assigning any reason thereof.
5. The College reserves the right to award the work to the First Lowest Bidder (Successful Bidder) for the scope of the entire tender or an item wise basis.
6. The college authorities can remove any items as well at any stage of the work.
7. Bids will be opened as per date/time as mentioned in the Tender Schedule.
8. If the successful bidder after receiving work order wants to extend any part of the work, it will have to take permission from the competent authority and the work will not exceed more than 10% of the above mentioned work.
9. Payment will be made only after the successful completion of the work as certified by the competent authority.
10. The college has the right to cancel the tender at any point of time. Also competent authority can increase or decrease the quantity/items or work need to be done.
11. AMC should be included for the maintenance of instruments as per warranty (atleast one year).
12. The instruments demo should be given to the laboratory before the use.


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