



Government of West Bengal  
Department of Physics

**SHAHID MATANGINI HAZRA GOVERNMENT COLLEGE FOR WOMEN**  
Chaksrikrishnapur::Kulberia :: PurbaMedinipur :: Pin-721649

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SMHGCW/Phy/2019/LAB/1A

Dated 13<sup>th</sup> Jun 2019

## NOTICE

### Sub: Invitation of quotation for supply of Physics lab equipments.

Quotations are invited for the supply of Lab equipments for the Physics Department of this college from experienced and bonafide suppliers within 15 days from the date of this notification. The list of lab equipments is as follows

Serial no.	Name of the equipment(s)	Specifications	Quantity
1.	Hypsometer, Metal body	Good quality	2
2.	carbon resistors	22,47,220,1K,10K,11K,20K, 22K	10 sets each
3.	Zener diode and p-n diode	Good quality	5 sets each
4.	Tool box	Good quality	1
5.	Heater coil	Good quality	10
6.	IC's	7408,7432, 7400, 7402, 7410, 555, 741, 7427	5 sets each
7.	Wire cutter	Good quality	2
8.	Setup to study Polarization and double slit interference in microwaves	Good quality	1
9.	Single slit, Double slit	Good quality	4

10.	Moment of Inertia apparatus, steel fly wheel and shaft set of weights, cylindrical weight.	Good quality	3
11.	Digital multimeter	Good quality	5
12.	Dry cell and holder	6V,12V,15V	5 sets each
13.	Bar magnets	Good quality	6
14.	Standard Capacitors	0.01 $\mu$ F,0.1 $\mu$ F,1 $\mu$ F, 10 $\mu$ F,0.02 $\mu$ F,0.2 $\mu$ F,2 $\mu$ F	5 sets each
15.	EDF glass prism	Good quality	2
16.	Convex lens 60 mm,	15cm Focal length	2
17.	Wifi adoptor for pc.	2.4Ghz 150Mbps/5Ghz 433 Mbps,USB 2.0, WPS Button, Supports Windows 7/8/8.1/10	2
18.	Multiple output power supplie	0-20 V	2
19.	Sliding Rheostat	20 ohm - 5 amp	2
20.	Digital Balance	capacity 300gm, capacity 5kg	1 set each
21.	Digital Slide Callipers	Good quality	2
22.	Study the PE Hysteresis loop of a Ferroelectric Crystal set up	Good quality	1
23.	Babinet's compensator,to analyze elliptically polarized Light	Good quality	1
24.	Dipole antenna,to study dependence of radiation on angle	Good quality	1
25.	Wollaston's air-film, to determine the refractive index of liquid	Good quality	1
26.	Gaussian eyepiece,To determine the refractive Index of (1) glass and (2) a liquid	Good quality	1
27.	SPR set up,determination of refractive index of a dielectric layer	Good quality	1
28.	SPR set up,complex dielectric constant and plasma frequency of metal	Good quality	1
29.	MnSO <sub>4</sub> .H <sub>2</sub> O	Good quality	1 box

30.	Aluminium rod	Good quality	1
31.	The Gouy balance	Good quality	1
32.	Set up for determination of Coupling Coefficient of a Piezoelectric crystal	Good quality	1
33.	4-bit counter using JK/D flip-flop	Good quality	1
34.	ESR,determination of magnetic field as a function of the resonance frequency	Good quality	1
35.	Setup for Study of Zeeman effect: with external magnetic field;Hyperfine splitting	Good quality	1
36.	Quantum efficiency calculation set up of CCDs	Good quality	1
37.	Frequency dependent dielectric constant measurment set up of a dielectric	Good quality	1
38.	Vaccum diode .Work function of the metal of filament	Good quality	1
39.	Mutual Inductance coil, perfect scaling of circular scale	Good quality	1
40.	Study of Interference and Diffraction expt, Laser Source	Good quality	1
41.	screen with graph paper	Good quality	1
42.	Bi-prism (50*40 mm)	Good quality	2
43.	Lens holder with slider for optical bench (Bi-prism)	Good quality	2
45.	Circular slit with slider (Bi-prism)	Good quality	2
46.	Eye piece holder with slider (Bi-prism)	Good quality	2
47.	Bi-Prism holder with slider	Good quality	2
48.	USB cable	Good quality	2

49.	CRO, Fourier Spectrum study	Good quality	1
50.	Thermometer-	110,1/10	4
51.	Thermometer-	110-1/2-alcohol	4
52.	Hydrogen spectrum and Rydberg Constant setup	Good quality	2
53.	Anderson Bridge setup	Good quality	2
54.	Magnetic susceptibility of FeCl <sub>3</sub> solution set up	Good quality	1
55.	Resolving power of Grating, D1 and D2 lines	Good quality	1
56.	Frequency response of voltage amplifier with transistor in CE mode Set up	Good quality	1
57.	RTD using null method/ off balance bridge	Good quality	1
58.	Mercury	Nil	500gm
59.	Plug Commutator	(2/4/6)	2 sets each
60.	Telescope	DR-131	2
61.	Travelling Microscope	DR-102	2
62.	Combination method Concave lens full setup, Optical bench	Good quality	1

*Fos, Sayam Bag*

Head of the Department,  
Department of Physics  
Shahid Matangini Hazra Govt. College for Women

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सत्यमेव जयते

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Suppliers are invited to submit their quotation in a sealed envelope marked with the quotation reference to the Office of the Principal, Shahid Matangini Hazra Government College for Women as soon as possible from the date of this notification.

*For, Sayan Bag*

Head of the Department,  
Department of Physics  
Shahid Matangini Hazra Govt. College for Women

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