

# DINABANDHU MAHAVIDYALAYA



Bongaon, North 24 Parganas  
West Bengal. Pin- 743235  
Ph: +91- 965753264, 03215-255044

Affiliated to West Bengal State University & Formerly under University of Calcutta  
Registered under 2(f) & 12(B) of U.G.C. Act 1956  
ESTD: 1947

Ref No.

Date. 08.07.2022

## Tender Inviting Notice for purchase Instruments for Department of Physics

Sealed tenders indicating price are invited for purchase the following Instruments for department of Physics. Tenders must be submitted in the office of Principal within 10 days from the date of notification e.g. 17.07.2022 by 3:00 P.M. For detail, please contact the office of the principal.

Specifications :

Sl.No.	Item	Qty
1	To determine the absorption lines in the rotational spectrum of Iodine vapour	1
2	To determine the value of $e/m$ by bar magnet	1
3	To determine the wavelength of laser source using diffraction of double slits	1
4	To measure the dielectric constant of a dielectric materials with frequency without CRO	1
5	Grating Stand with solid state laser	1
6	To determine the wavelength of H-alpha emission line of hydrogen atom	1
7	To measure the resistivity of a semiconductor (Ge) with temperature by reverse bias characteristics of Ge diode and to determine its band gap	1
8	To determine work function of material of filament of directly heated vacuum diode	2
9	Photo-electric effect: photo current versus intensity and wavelength of light; maximum energy of photo electrons versus frequency of light	1
10	To study I-V and power characteristics of Solar cell	1
11	To determine the Planks Constant using LEDs of at least 4 different colours	1

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Sl.No.	Item	Qty
12	To show the tunneling effect in tunnel diode using I-V characteristics	1
13	To determine the Planks Constant using LEDs of at least 4 different colours	1
14	To determine the ionization potential of mercury	1
15	To study I-V and power characteristics of Solar cell	2
16	To study the temperature coefficient of asemiconductor(NTC thermistor)	1
17	To determine the coupling coefficient of a piezoelectric crystal	1
18	Grating Stand	1

Principal

*[Handwritten Signature]* 07/7/2022

Dinabandhu Mahavidyalaya, Bongaon

*Principal*  
Dinabandhu Mahavidyalaya  
Bongaon, North 24 Pgs.

NB:

1. For the interest of the institution authority may modify or withdraw the tender notice partly or wholly.
2. No tender will be accepted without requisite valid documents (GST and Trade Licence).
3. Authority will give top most priority to the interest of the institution while issuing work orders or purchase order