



VIVEKANANDA MISSION MAHAVIDYALAYA

Affiliated to Vidyasagar University, West Bengal

NAAC Accredited B+ Institution

VIVEKANAGAR

P.O.- Chaitanyapur (Haldia), Dist.- Purba Medinipur

West Bengal, Pin-721645

Website : vmmahavidyalaya.ac.in

DATE : 08.12.2022

TENDER NOTICE NO.-02

VIVEKANANDA MISSION MAHAVIDYALAYA
CHAITANYAPUR(HALDIA),:PURBA MEDINIPUR(W.B.)

Sealed quotations are invited (separately item wise) from bonafide suppliers, towards supply of followings items within 15 days from the date of publication of this Tender Notice:

1. Practical Instruments : Dept. of Physics

1. To determine the wavelength and velocity of ultrasonic waves in a liquid (Kerosene Oil, Xylene, etc.) by studying the diffraction through ultrasonic grating.

The set consists of a FET based marginal R.F. Oscillator with controlling amplitude facility, One sample holder suitable fitted for spectrometer with sample & stand. complete in all respect including instruction manual.

2. Study of Electron spin resonance- determine magnetic field as a function of the resonance frequency.

The set consists of a FET based marginal R.F. Oscillator, Digital display of frequency, Excellent peaks display, Digital display of Helmholtz Coil

Current, Compatible with general purpose CRO in X-Y.

complete in all respect including instruction manual. except an oscilloscope.

3. To draw the BH curve of Fe using Solenoid & determine energy loss from Hysteresis curve.

The following magnetic parameters can be measured by this set-up:

Coercivity, Retentivity, Saturation magnetisation, Various magnetic phase identification, Hysteresis loss. The equipment is complete in all respect, including a set of samples (wires of Nickel, and different grades of iron etc.) complete in all respect including instruction manual. except an oscilloscope.

4. To measure the Dielectric Constant of a dielectric Materials with frequency.

The setup consists of a Capacitance measurement from 1-50kHz, Dedicated Schering Bridge with built-in oscillator, Computation of dielectric constant and loss factor, Samples of Barium Titanate, MLCC and conventional capacitor.

complete in all respect including instruction manual. except in CRO.

For details suppliers are requested to contact the college office and see the College Website : www.vmmahavidyalaya.ac.in

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Principal

Vivekananda Mission Mahavidyalaya
P.O.-Chaitanyapur, Purba Medinipur, W.B.