

**SANTIPUR COLLEGE**

Ph. No. 03472-278028

P.O.- SANTIPUR, Dist.- NADIA

website : [www.santipurcollege.co.in](http://www.santipurcollege.co.in)Ref. No.       / SC /      Date       27.11.2021      

## Tender Notice

Sealed Quotation is hereby invited by the undersigned for supplying following instruments for Physics(Honours) practical purpose as per terms & conditions mentioned below. The filled quotations, along with all the required documents, must reach the office of the undersigned on or before 10.12.2021 at 03.00 p.m. The Envelope containing the quotation would please be sealed:

We also need after sale services including installation of instruments and warranty on the instruments.

### “QUOTATION FOR THE INSTRUMENTS OF THE FOLLOWING EXPERIMENTS”

#### **Laboratory based experiments:**

5. Study of Electron spin resonance- determine magnetic field as a function of resonance frequency
6. Study of Zeeman effect: with external magnetic field; Hyperfine splitting
7. To show the tunneling effect in tunnel diode using I-V characteristics.
8. Quantum efficiency of C CD s



1. To verify the law of Malus for plane polarized light.
2. To determine the specific rotation of sugar solution using Polarimeter.
3. To analyze elliptically polarized Light by using a Babinet's compensator.
4. To study dependence of radiation on angle for a simple Dipole antenna.
5. To determine the wavelength and velocity of ultrasonic waves in a liquid (Kerosene Oil, Xylene, etc.) by studying the diffraction through ultrasonic grating.
6. To study the reflection, refraction of microwaves
7. To study Polarization and double slit interference in microwaves.
8. To determine the refractive index of liquid by total internal reflection using Wollaston's air-film.
9. To determine the refractive Index of (1) glass and (2) a liquid by total internal reflection using a Gaussian eyepiece.

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1. Measurement of susceptibility of paramagnetic solution (Quinck's Tube Method)
2. To measure the Magnetic susceptibility of Solids.
3. To determine the Coupling Coefficient of a Piezoelectric crystal.
4. To measure the Dielectric Constant of a dielectric Materials with frequency
5. To determine the complex dielectric constant and plasma frequency of metal using Surface Plasmon resonance (SPR)
6. To determine the refractive index of a dielectric layer using SPR
7. To study the PE Hysteresis loop of a Ferroelectric Crystal.
8. To draw the BH curve of Fe using Solenoid & determine energy loss from Hysteresis.
9. To measure the resistivity of a semiconductor (Ge) with temperature by four-probe method (room temperature to 150 °C) and to determine its band gap.
10. To determine the Hall coefficient of a semiconductor sample.
11. To measure the mutual inductance of two coaxial coils at various relative orientations using a ballistic galvanometer.
12. Verification of the inverse cube law for magnetic dipoles (study of the dependence of the field of a magnetic dipole on distance) and determination of the horizontal component of the earth's magnetic field by deflection and oscillation magnetometers.

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## 1. TERMS & CONDITIONS :

- A) The quotations received after this deadline & unsealed shall not be entertained under any circumstances whatsoever. In case of postal delay Santipur College will not be considered and no correspondence will be entertained in this matter.
- B) Quotations must be in the enclosed prescribed Performa on the letter head of the firm duly signed by the Proprietor/ Partner/Director or their authorized representative. In case of signing of quotation by the authorized representative letter of authorization must be attached with the quotation. Quotation must be reach at the Santipur College, Santipur, Nadia, West Bengal, PIN-741404 within stipulated time period.
- C) Rates must be quoted in Indian rupees and specified Taxed extra if any must be written separately.
- D) Rates must be quoted FOR basis (including Freight charges, insurance, installation etc.)
- E) No overwriting or cutting is permitted in the rate. If found , the quotation shall be summarily rejected.
- F) The rates quoted must be valid for 45 days minimum from the date of opening of the quotation and silence of any tendered on this issue shall be treated as agreed with this condition.
- G) The firm/ agency may satisfy the following conditions and attach self-attested copy of the same with the quotation.

Firm shall be registered with the Government of West Bengal/ Central Government.

- The firm shall have Valid GST/ Other Taxes and IT PAN.
  - The firm should not be black listed by any Govt. Agency/Department.
- H) **Delivery Period** –within 15 days from purchase order.
- I) **Liquidated Damage**- If the supplier fails to deliver the material on or before the stipulated date, then a penalty at the rate of 0.5 % per week of the total order value shall be levied subject to maximum of 10% of the total order value.
- J) **Payment Terms**: Payment will be only after satisfactorily delivery/ commissioning of material and after inspection by the Santipur College.

- K) **Disputes** :- In the event of any dispute or disagreement arising between the contractors and any other department of Santipur College with regards to the interpretation of 'Terms & Conditions' of this inquiry, the same shall be referred to undersigned whose decision will be final and binding on the contractor.
- L) Santipur College reserves the right to increase or decrease quantity and / or amount of work. Decision of Quantity of material in the Santipur College will be final in this regard.
- M) Santipur College reserves the right to reject any quotation or part or the whole of inviting quotation process without assigning any reason. Decision of the undersigned will be final in this regard.

*Chandrima Bhattacharya*

Date – 27.11.21

Place- Santipur

Principal  
Santipur College

*Principal  
Santipur College  
P.O.-Santipur, Dist-Nadia.*

