



ESTD - 1957

Bidhan Chandra College

(Accredited By NAAC)
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TENDER NOTICE

Ref no- BCC/Tender/02/2023-24

Date - 10.07.2023

Estimated price of the following items (specification as given below) are invited from the reputed suppliers for Bidhan Chandra College, 31, GT Road, Rishra, Hooghly within 7 (Seven) days from the date of publication of this notice.

A. EQUIPMENTS FOR THE DEPARTMENT OF GEOGRAPHY LABORATORY

| SL No. | Name of the Equipment | Quantity |
|--------|------------------------------|----------|
| 1 | Prismatic compass with stand | 4 |
| 2 | Dumpy Level 12" with stand | 2 |
| 3 | Toposheet Laminated | 50 |
| 4 | Rotameter | 10 |
| 5 | Zeal Max and Min Thermometer | 1 |
| 6 | Zeal Hygrometer | 2 |
| 7 | Germin GPS | 2 |
| 8 | Satellite imagery | 2 |
| 9 | Globe 30 cms | 2 |
| 10 | 3 D models 90x90 landform | 1 |
| 11 | West Bengal Relief | 1 |
| 12 | India Relief | 1 |
| 13 | Hydrological cycle model | 1 |
| 14 | Geography/Geology chart | 1 |
| 15 | Ranging Rod 2 meter | 5 |
| 16 | Rain gauge | 2 |
| 17 | Rock-Minerals set | 2 |

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|--------------------|----------------------------|----|
| 18 | Geological Time Scale | 1 |
| 19 | Weather changing landscape | 1 |
| 20 | 3 D Map Asia 75x100 | 1 |
| 21 | Weather Map set of 12 | 1 |
| 22 | Weather Map symbol chart | 1 |
| 23 | Daily Weather Report | 10 |
| 24 | Digital compass | 1 |
| 25 | Telescope | 1 |
| 26 | Transit Theodolite | 2 |
| 27 | Ground Pins | 15 |
| 28 | Glass fiber Tape | 2 |
| 29 | Leveling Staff 4 meter | 3 |
| 30 | Visual 3 D Map World | 1 |
| 31 | Clinometer compass | 5 |
| 32 | Abney level | 2 |
| 33 | Anemometer Digital | 2 |
| 34 | Fortins Barometer | 1 |
| Grand Total | | |

B. EQUIPMENTS FOR THE DEPARTMENT OF PHYSICS LABORATORY

| Sl No. | Name of Equipments | Quantity |
|--------|---|----------|
| 1. | Determination of Moment of Inertia of cylinder/bar about axis by measuring the time period of the cradle and with body of known moment of inertia | 02 |
| 2. | Determination of rigidity modulus of wire by measuring the time period of torsional oscillation of a metal cylinder attached to it. | 02 |
| 3. | Determination of Young's modulus of a metal bar of rectangular cross-section by method of flexure (weight 500gm) | 02 |
| 4. | Determination of unknown resistance by Carey foster method. AE660(A) | 02 |
| 5. | Measurement of current flowing through a resistor using potentiometer | 02 |
| 6. | Ammeter to voltmeter and voltmeter to ammeter kit | 02 |
| 7. | Determination of coefficient of thermal expansion of a metallic rod using optical lever | 02 |

| | | |
|-----|---|----|
| 8. | Verification of Stefan's law of radiation by the measurement of voltage and current of a torch bulb glowing it beyond draper point. | 02 |
| 9. | Determination of the horizontal components of earth magnetic field(using magnetometer) | 02 |
| 10. | Thermal coefficient of resistance using Carey foster bridge. | 02 |
| 11. | Coefficient of thermal conductivity of a bad conductor by lees and Charlton's method | 02 |
| 12. | Determination of pressure coefficient of air using Jolly's apparatus.(without mercury) | 02 |
| 13. | Determination of the focal length of a concave lens by auxiliary lens method. | 02 |
| 14. | Newton's ring full setup including sodium vapour lamp,AE1013 | 02 |
| 15. | Sodium vapour lamp 35 watt with assembly, AE1037 | 03 |
| 16. | Wedge shape film | 02 |
| 17. | Polarimeter GOKO | 03 |
| 18. | Verification of theorem kit,AE701 | 02 |
| 19. | Emitter characteristics of a photo transistor illuminated by LED,AE233 | 02 |
| 20. | CE characteristics kit of a transistor, AE 258 | 02 |
| 21. | Regulated power supply suing LM317 | 03 |
| 22. | OPAMP trainer kit AE353 | 06 |
| 23. | Universal gate trainer kit. AE377 | 04 |
| 24. | 4 bit Adder/Subtractor Trainer kit.AE378 | 04 |
| 25. | Flip flop trainer kit.AE382(A) | 04 |
| 26. | 4 bit shift register trainer kit. AE 384(Left, right and programmable) | 02 |
| 27. | 4*1 multiplexer /demultiplexer AE 387 | 02 |
| 28. | Spectrometer(standard DEVCO make) | 03 |

C. EQUIPMENTS FOR THE DEPARTMENT OF ELECTRONICS LABORATORY


| SL. No. | Name of the Item | Specifications | Quantity |
|---------|----------------------------------|-----------------------|----------|
| 1 | Digital CRO | 100 MHz, Dual Channel | 2 |
| 2. | Digital IC Tester | | 1 |
| 3. | 8085 Micro-Processor Trainer kit | | 4 |

| | | | |
|----|---|--|--------|
| 4 | 8051 Microcontroller Trainer kit | | 2 |
| 5. | Component Organizer Box | 60 mess | 1 |
| 6. | (-20)-0-(+20) Variable Power Supply | | 4 |
| 7. | Digital Multi Meter (DMM) | Keithley 6500 | 1 |
| 8. | Source Measuring Unit (SMU) | Agilent / Keithley(2400) With interfacing software and hardware. <u>Resolution:</u> V= 100nV to 200V, I = 10 fA to 10 A For 1000W pulse and 100W DC total power | 1 |
| 9 | DC voltmeters | 0-2V, 2-20V, 0-200 V | 5 each |
| 10 | DC ammeters | 0-50 μ A, 0-500 μ A, 0-2 mA, 0-20 mA, 0-200 mA | 5 each |
| 11 | AC voltmeter | 0-2 V and 0-20 V | 5 each |
| 12 | Variac | 0-220 V | 1 |
| 13 | Optical microscope | Magnifications: 1000X connected with CCD camera | 1 |
| 14 | OPAMP trainer kit | 741 kit | 2 |
| 15 | Digital Trainer kit | For 74XX series | 2 |
| 16 | AM transmitter & receiver | AM transmitter KITEK make model:ACT08 & receiver KITEK make model:ACT09 | 1 |
| 17 | FM transmitter & receiver | FM transmitter & receiver KITEK make model:ACT10 | 1 |
| 18 | Semiconductor Type Temperature Sensor kit (AD590, LM 35 and LM 75). | | 1 |
| 19 | LCR Meter | SM 5118 | 1 |
| 20 | LVDT trainer kit | LVDT trainer kit, AE 802 | 1 |
| 21 | Resistance box | Resistance box AE583 Up to 10 Ω , 100 Ω , 10K Ω , 100 K Ω | 1 each |

The following documents with self attestations are to be submitted with the quotation.

1. Income Tax clearance certificate including copy of PAN card

2. GST clearance certificate with GST registration no
3. Professional Tax Clearance certificate

 10/07/23

Principal
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