

BIJOY KRISHNA GIRLS' COLLEGE, HOWRAH

A NCTE and NAAC accredited (B⁺⁺) College

5/3, MAHATMA GANDHI ROAD, HOWRAH – 711 101.

Ref. No

**Sealed quotations are invited for equipments within of 4th
February 2025 [Under DBT Star College Program]**

DEPARTMENT OF CHEMISTRY		
SL.	Item Name	Specification
1.	Digital Weighing balance	Metler Toledo ME204, Capacity 200gm, Reliability 0.0001 gm
2.	Rotary Evaporator	Labdeal RV-12M
3.	Rotary Evaporator	The National Scientific Apparatus Works, Model No.- RVF-D, Capacity-1L
4.	Rotary Evaporator	Fayelong- RE-201D
5.	Rotary Evaporator With Chiller	Hoverlabs-HV-2199A
6.	Relitech Rotary Vacuum Evaporator	RVF-5 (with digital water bath)
7.	Ultrasonic Cleaner	Borosil, 5lt, UCB-050
8.	Microwave Reactor (Microwave Synthesizer)	For Small Scale Synthesis
9.	Voltage stabilizer	Servo VS -02
10.	Digital potentiometer with 2 Ag electrodes, 2 Pt. electrodes and 2 calomel electrodes	Systronics 318
11.	Conductivity meter with 4 conductivity cells	Systronics 304
12.	TDS Conductivity meter with 4 conductivity cells	Systronics 308
13.	Digital pH meter	Systronics 335
14.	Digital pH meter	Systronics 802


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Department of Mathematics

Non-recurring

Sl.	Item Name	Specification	Quantity
1	Desktop Computer	Brand: HP/DELL AMD 6-Core/12-thread Processor with Graphics, Windows 11 Home, 1TB/(512+512 GB) M.2 PCIE NVMe SSD, 16GB/(8GB+8GB) RAM DDR 5(preferable)/4, Ms Office 2021, All in One Preferable	22
2	Desktop Computer	Brand: HP/DELL Core i7, 13 Gen or higher, All in One, 27inch FHD IPS Monitor, 1TB/(512+512 GB) M.2 PCIE NVMe SSD, 16GB/(8GB+8GB) RAM DDR 5(preferable)/4, Ms Office 2021	1


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Department of Physics Non-recurring Equipments

N.B.: Please give quotation per item. We may place more than one quantity as per our fund availability.

Sl. No.	NAME OF ITEM	TECHNICAL SPEC/ MODEL NO	QTY
1.	REGULATED POWER SUPPLY	MAKE- APLAB MODEL NO-LQ6324T. laboratory bench unit.Fully protected against overload and short circuit. Three independent outputs electrically isolated from each other. 5V/5A with over voltage crowbar protection for digital ICs.Electrically floating outputs up to 500V DC w.r.t. ground. Compact modular construction. Precise regulation, low ripple and noise for both constant voltage and constant current operation. Quality components and conservating ratings for highreliability and long life.	
2.	LUX METER	Specifications : <ul style="list-style-type: none">• Display : 18mm(0.7") LCD (Liquid Crystal Display)• Ranges : 1-100,000 Lux.(3 Ranges) 0 ~ 1,999 Lux, 2,000 ~ 19,999 Lux, 20,000 ~ 1,00,000 Lux.• Over-input : Indication of "1"• Sampling Time : 0.4second• Operating Temperature : 0°C to 50°C (32°F ~ 122°F)• Operating Humidity : less than 80%R.H• Consumption current : Approx. 2mA• Dimension : 130 x 72 x 30mm• Weight : 170g (including battery)• Power Supply : DC9V battery .• Standard Accessories : Light Sensor, Instruction manual, Battery & Carrying case.	
3.	DSO	MODL NO- GDS-1202B, MAKE- GW INSTTECH bit : 1mV~10V/div AC, DC, GND ±3% Normal & Invert 300Vrms, CAT I (300Vrms CAT II with GTP-070B- 4/100B-4, 200B-4 10:1 probe) 1mV/div : ±1.25V ; 2mV/div ~ 100mV/div : ±2.5V ; 200mV/div ~ 10V/div : ±125V TRIGGER Source Trigger Mode Trigger Type CH1, CH2, CH3*, CH4*, Line, EXT** ; *four channel models only. ; **two channel models only Auto (supports Roll Mode for 100 ms/div and slower), Normal, Single Sequence Edge, Pulse Width, Video, Pulse Runt, Rise & Fall, Timeout, Alternate, Event-Delay(1~65535 events), Time-Delay(Duration, 4nS-10S) Sensitivity 1div Holdoff range 4ns to 10s Coupling AC, DC, LF rej., Hf rej., Noise rej. EXTERNAL TRIGGER Range Sensitivity Input Impedance ±2.5V DC ~ 100MHz Approx. 100mV ; 100MHz ~ 200MHz Approx. 150mV 1MΩ ±3%~16pF HORIZONTAL Time base Range ROLL	


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		<p>Pre-trigger Post-trigger Timebase Accuracy Real Time Sample Rate Record Length Acquisition Mode Peak Detection Average 5ns/div ~ 100s/div (1-2-5 increments) 100ms/div ~ 100s/div 10 div maximum 2,000,000 div maximum ±50 ppm over any ≥1 ms time interval 1GSa/s max. Max. 10Mpts Normal, Average, Peak Detect, Single 2nS (typical) selectable from 2 to 256 X-Y MODE X-Axis Input Y-Axis Input Phase Shift Channel 1; Channel 3*(four channel models only) Channel 2; Channel 4*(four channel models only) ±3° at 100kHz Cursors AND MEASUREMENT Cursors Automatic Measurement Cursors Measurement Auto Counter Amplitude, Time, Gating available; Unit : Seconds(s), Hz(1/s), Phase(degree), Ration(%) 36 sets: Pk-Pk, Max, Min, Amplitude, High, Low, Mean, Cycle Mean, RMS, Cycle RMS, Area, Cycle Area, ROVShoot, FOVShoot, RPRESshoot, FPRESshoot, Frequency, Period, RiseTime, FallTime, +Width, -Width, Duty Cycle, +Pulses, -Pulses, +Edges, -Edges, FRR, FRF, FFR, FFF, LRR, LRF, LFR, LFF, Phase Voltage difference between cursors (ΔV) Time ; difference between cursors (ΔT) 6 digits, range from 2Hz minimum to the rated bandwidth CONTROL PANEL FUNCTION Autoset Single-button, automatic setup of all channels for vertical, horizontal and trigger systems, with undo Autoset Save Setup 20set Save Waveform 24set DISPLAY TFT LCD Type Display Resolution Interpolation Waveform Display Waveform Update Rate Display Graticule Display Mode 7" TFT WVGA color display 800 horizontal × 480 vertical pixels (WVGA) Sin(x)/x Dots, vectors, variable persistence (16ms~4s), infinite persistence 50,000 waveforms per second, maximum 8 x 10 divisions YT, XY INTERFACE USB Port Ethernet Port(LAN) Go-NoGo BNC Kensington Style Lock USB 2.0 High-speed host port x1, USB High-speed 2.0 device port x1 RJ-45 connector, 10/100Mbps with HP Auto-MDIX (Only for 4 channel models.) 5V Max/10mA TTL open collector output Rear-panel security slot connects to standard kensington-style lock +, -, ×, ÷, FFT, FFTrms, User Defined Expression ; FFT: 1Mpts; FFT: Spectral magnitude. Set FFT Vertical Scale to Linear RMS or dBV RMS ; FFT Window Display : Rectangular, Hamming, Handing, or Blackman-Harris</p>	
4.	SIGNAL GENARATOR	<p>MODEL NO- SFG-1013 MAKE- GW INSTECH. DDS Technology and FPGA Design Frequency Range : 0. 1Hz ~ 3MHz High Frequency Accuracy : 20ppm High Frequency Stability : 20ppm Max. Frequency Resolution : 100 mHz Low Distrortion Sine Wave : -55dBc, Voltage Display (Only SFG-1013) 0. 1Hz~200 kHz</p>	


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5.	FUNCTION GENARATOR	<p>AFG-4225E MAKE- GW INSTECH</p> <ul style="list-style-type: none"> • Provide Single-channel or Dual-channel Output Single Channel : AFG-4125E/4125AE(25MHz) Dual Channel : AFG-4225E/4235/4260/4280/4210H/4225H(25/35/60/80/100/250MHz) • Built-in Sine, Square, Triangle, Ramp, Pulse, Noise, Harmonic Wave, Arbitrary Wave • Min. Resolution : 1μHz • Sampling Rate : AFG-4225H : 1.25GSa/s; AFG-4235/4260/4280/4210H : 500MSa/s; AFG-4125E/4125AE/4225E : 125MSa/s • Amplitude Resolution : AFG-4125E/4125AE/4225E : 14bits; AFG-4235/4260/4280/4210H/4225H : 16bits • Memory Length : AFG-4225E/4235/4260/4280/4210H/4225H : 10M/per channel; AFG-4125E/4125AE : 16k/per Channel • Modulation : AM,DSB-AM,FM,PM,PWM,ASK,PSK,BPSK,QPSK,FSK,FSK,4FSK,OSK,SUM • Built-in Sweep, Burst, Counter Function • AFG-4125AE Built-in Power Amplifier Function • Communication Interface : AFG-4235/4260/4280/4210H/4225H Provide USB, LAN Interface AFG-4125E/4125AE/4225E Provide USB Interface • 8" TFT LCD Display, 800 x 480 Resolution • Multi-Touch Display : AFG-4235/4260/4280/4210H/4225H 	
6.	SPECTO PHOTOMETER	<ul style="list-style-type: none"> • Scanning Visible Spectrophotometer • Compact, Modular & Ergonomically designed • Stable Single Beam Optics • Fully Automatic, user friendly and menu driven. • Automatic Wavelength Calibration, Selection of Wavelength and Positioning of the sample holder. • Automatic 6 position cuvette holder for 10 mm path length cuvettes. • Measurement Modes : Photometric, Spectrum, Time Scan, Concentration • Automatic calibration • Lamp selection enables conserving the life of the lamps • Microprocessor based with Printer Interface • Data in the form of graph and table can be printed directly on to a printer. • Can work as a stand-alone instrument or as a PC-controlled instrument through via USB 	
7.	MAG. STIRRER	<p>SPINOTTM Magnetic Stirrer Hot Plate MAKE- TARSON MODEL -6020</p>	
8.	HeNe Laser Source with Power Supply	<p>Wavelength Minimum Output Power (TEM00) 632.8 nm 0.8 mW Minimum Polarization Ratio Beam Diameter (TEM00, 1/e² points + 3%) 500:1 0.48 mm Beam Divergence (TEM00, +3%) Mode Purity (TEM00) 1.7 mrad >95% Longitudinal Mode Spacing Maximum Noise (RMS) (30 Hz to 10 MHz) 1090 MHz 1.0% Maximum Drift* Maximum Mode Sweeping Contribution \pm 2.5% 10% Operating Voltage (\pm \pm \pm 100 V) Operating Current (\pm \pm \pm 0.1 mA) 1250 4 mA Maximum Starting Voltage *With respect to mean power over 8 hours. 10 kV DC Maximum Warm-Up Time (95% Power) Storage Lifetime 10 min Indefinite (Hard-Sealed) Static Alignment Laser Weight Approximately 1.75" from Base 1.1 lbs (0.5 kg) Operating Temperature Non-Operating Temperature -40 to 60 °C-40 to 100 °C Operating Altitude Non-Operating Altitude 0 to 10,000 ft 0 to 70,000 ft Relative Humidity (Non-condensing) Shock Non-Condensing 25 g for 11 ms 100 g for 1 ms</p>	


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Department of Zoology

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1.	Electrophoresis Power Supply Unit	PowerPac™ Basic Power Supply: Make : Biorad : #1645050 Output specifications 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) Output terminals: 4 pair recessed banana jacks in parallel LED Safety compliance: EN61010 Safety features No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection	01
2.	Trikinetics Dam2 Drosophila activity Monitor	TriKinetics Inc DAM2 1 Drosophila Activity Monitor 32 channels for 5mm dia tube includes CAB2 monitor cable HTS: 9027508060 PSIU9 Power Supply Interface Unit includes PS9-1 Power Supply, Line cord, USB cable, CAB10 cable with coupler HTS: 8504406001 PGT25x125 Pyrex Glass Tube, 25mm dia, 125mm length (set of 36) HTS: 7006002000 PPT5x65-100 Polycarbonate Plastic Tube, 5mm dia, 65mm length (set of 100) HTS: 3917290050 CAP5B-100 Vinyl Tube Cap, fits 5mm tube (set of 100) HTS: 3923500000 CAP25-BLK Vinyl Tube Cap, fits 25mm tube, cap length 12mm (set of 100) HTS: 3923500000	01


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