



(Affiliated to the University of Burdwan)  
P.O.: Katwa, Dist.: PurbaBardhaman, West Bengal, 713 130, India

Ref: 34/Equipments /KC/PC/20T

Date- 29/02/20T

**QUOTATIONS NOTICE FOR EQUIPMENTS PURCHASE FOR VARIOUS DEPARTMENT IN RESPECT OF ADVERTISEMENT NO - IN THE DAILY NEWS PAPER THE TELEGRAPH, PAGE NO- METRO- 12, DATED – 11/02/2020 AND SANGBAD PRATIDIN PAGE NO-6**

Sealed Quotations are invited from recognized Manufacturers/Suppliers/Contractors for procuring following items within **05/03/2020** (on working days, upto 3.00 p.m.). In no case the Quotations papers will be accepted after the date and time mentioned above. Quantity of the specific items may change according to final consideration. Quotation of different price ranges may be submitted for an item where specification / Model no. is not mentioned. **Quotations must include GST registration no., inclusive GST rate, exclusive GST rate and status of delivery/installation charges etc along with terms and conditions of available Guarantee/Warranty.** **At the time of Payment College will deduct TDS from total claim amount as per rules.** Quotations papers should be separately submitted for specific envelop as mentioned hereunder. No softcopy is entertained/ accepted. Sealed Quotations to be sent in the College Address – Principal, Katwa College, Katwa, PurbaBurdwan, 713130 within **05/03/2020 on working days, upto 3.00 p.m)**

**LIST OF EQUIPMENTS**

**Department of Physics:**

<b>01.</b>	To study the PE Hysteresis loop of a Ferroelectric Crystal. <b>Technical Specification</b> <ul style="list-style-type: none"><li>➤ Sample Holder</li><li>➤ Digital Temperature Meter (0-600°C)</li><li>➤ H.T Supply variable from 0 to 5000V</li><li>➤ Inbuilt Voltmeter</li><li>➤ Inbuilt heating arrangement</li><li>➤ Inbuilt Fan</li><li>➤ On board controls</li><li>➤ Connecting Leads</li><li>➤ Instruction Lab Manual</li><li>➤ The complete unit is fitted in a wooden box</li></ul>	OSAW
<b>02.</b>	<b>Measurement of Di-electric Constant of a Material with frequency.</b> Frequency Dependence of Dielectric Constant, <b>FDD-01</b> (Complete in all respect with multiple samples. Optional temperature variation facility also available) Frequency Dependence of Dielectric Constant	SES Instru ments
<b>03.</b>	To determine the band gap using a thermistor. Energy Band Gap using Thermistor - Complete with the following - One 20 volt digital meter, one 20mA digital meter, one adjust knob constant current source 0-	R K LAB

	20ma, one oven controller adjust knob, attach with oven & thermometer, all 4mm connecting lids heavy base, circuit diagram, manual & connecting lids etc.	
04.	<p><i>To setup the Millikan oil drop apparatus and determine the charge of an electron</i></p> <p>The total set up is complete with the following: Millikan's Oil Drop experiment. CAT NO : MOD-01 Set-up consists of</p> <ol style="list-style-type: none"> <li>1. A oil drop chamber mounted on top of the panel.</li> <li>2. It has three leveling screws at the base of the panel to make the parallel electrode plates horizontal using a water-level.</li> <li>3. A microscope with CCD camera head to view and transmit image of oil droplets.</li> <li>4. 0-800V continuously variable voltage power supply.</li> <li>5. A digital voltmeter to measure the potential applied to the upper plate.</li> <li>6. A 'Time Meter' to display the time for which the oil droplet is allowed to move.</li> <li>7. A timing device to measure time interval between the passage of droplets through preset points.</li> <li>8. A TV monitor with graduated screen. The horizontal lines on the monitor screen help in setting the distance through which the droplets move.</li> <li>9. An atomizer to spray droplets.</li> </ol> <p>The measurements are made by measuring the time for free-fall of the droplets under gravity between the preset points, thereby giving its velocity. The result of this unit are within 5% of the standard value.</p> <p>The set-up is complete in all respect.</p>	SES Instru ns
05.	<p><i>To determine the absorption lines in the rotational spectrum of Iodine vapour</i></p> <p>Complete set up in all respect which usually consists of</p> <ol style="list-style-type: none"> <li>a) Iodine tube with stand, lamp house and power supply.</li> <li>b) Spectrometer (7 inches diameter with vernier constant 20 second) with all accessories including grating (15000 LPI) and analog meter.</li> </ol>	DEVCO/ REVCO
06.	<p><i>To show tunneling effect in tunnel diode using V-I characteristics</i></p> <p>Complete setup in all respect</p>	R K Lab
07	<p><i>To determine the value of e/m by (a) Magnetic focusing or (b) Bar magnet</i></p>	R K Lab

*Sd/-  
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