

RABINDRA MAHAVIDYALAYA

Affiliated to the University of Burdwan

Champadanga, Hooghly, West Bengal, Pin.- 712401

Estd. - 1971

NAAC (Cycle-2) Accredited B++ Institution



Ref. No. RM/50/22

Date. 06-05-22

Tender Notice

(Displayed at College Notice Board, UBI Champadanga, Tarakeswar BDO Office, Champadanga Gram Panchayat, Office of Hooghly ZilaParisad, Hooghly District Magistrate Office, and Chandanagar Treasury Office)

Sealed Quotations for Supply of Equipment for the Department of Physics

1. Sealed quotations for Cost of Purchase not exceeding Rs. 95,000/- (Ninety five thousand only) with judiciously comparable rates in the physical and ecommerce (amazon.com, filpkart.com, ebay.com, snapdeal.com etc, others if any) marketplaces for the stated **Category: Equipment for Department of Physics** are invited from the leading suppliers / authorized sellers of the above items to the Department of Physics, RabindraMahavidyalaya, Champadanga, Hooghly, W.B., PIN:712401.
2. **One Set of complete and sealed quotation in separate cover**, mentioning "Sealed Quotation for Supply of Equipment for Department of Physics" in bold letters in the title to be sent and reached accordingly to the college office. The said quotation should be sent either through **Speed Post** addressed to the Principal, RabindraMahavidyalaya, Champadanga, Hooghly or by messengers personally and reached at the said office or the same should be deposited at the **Tender Box** in the Ground Floor beside **Room No. 6** of the institution up to 11:30 P.M. of 17/05/2022(Tuesday), and the same will be opened at 12:00 Noon on 17/05/2022 (Tuesday). Interested bidders may be present at the Tender Opening meeting at the scheduled time either by sending their authorized representatives or by themselves.
3. Incomplete Quotations or quotations with insufficient information if received will be summarily rejected. On any aspect regarding the purchase, the decision of Purchase Committee of RabindraMahavidyalaya, Champadanga, Hooghly is final. Interested bidders are requested to visit the official website www.rabindramahavidyalaya.org for reference information, if any. The sealed quotation should clearly mention the of rates of the different items inclusive of all necessary expenses or charges for installations or the others, if any.
4. The sealed quotation should be accompanied at least with the documents of Registration of the firms, shop or dealership or license documents etc.; CST / VAT / GST registrations, if any; other registration certificates from statutory agencies, if any; a copy of this Tender Notice; and their account details for electronic payment or banking transfers (optional).
5. Quotation Price should include the delivery and transport costs, and all other incidental charges. There is no Tender Fee. An Earnest Money, if imposed, is refundable only on completion of Work Order, and the same will be fixed on the tender opening date on a case to case basis by the Purchase Committee.
6. Brief of the **Equipment** for the said departments is as follows in **Annexure A** and also visit the college website www.rabindramahavidyalaya.org for the other details):


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Annexure A

Sl No.	Particulars	Company	Quantity	Department
1	Ballistic Galvanometer – Coil resistance – 100 ohms, Time period – 12 sec. sensitivity – 300 m.m. per micro coulomb at 1-meter distance	OXFORD	01	Physics
2	DC Power Supply Variable 0-12V/1Amp with digital meter	R K LAB	01	
3	To determine the absorption lines in the rotational spectrum of Iodine vapour. (without spectrometer) The apparatus consist of the following a) Long Iodine Tube with power supply b) Grating 15000 lines/inch c) Stand for Iodine Tube d) Source of white light complete set-up	BESTO	01	
4	To draw the BH curve of Fe using Solenoid & determine energy loss from Hysteresis. The total setup is complete with the following – a) BH Curve setup trainer kit supplied without CRO To trace Hysteresis curves. Instrument comprises of AC Power Supply, Output selectable using band switch, circuit diagram for BH Curve Printed, components connected inside panel, X & Y plate connections brought on terminal for CRO.	OSAW / R.K. LAB	01	

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5	<p>To study the Motion of Spring and calculate, (a) Spring constant, (b) g and (c) Modulus of rigidity. The total setup complete with the following</p> <p>a) K Constant Spring App. If one end of a long flat spiral spring is fixed and the lower end is pulled by a short jerk and released, longitudinal waves are produced. The apparatus consists of a spiral spring about 25mm diameter and 10cm length. The upper end of the spring is suspended from a chuck nut and the lower end is provided with a small pointer which moves over a vertical wooden meter scale. The lower end is also provided with hook for carrying weights. All this setup is provided on a heavy metal base, supplied with 50gm x 5 Iron C.P weight set</p>	BESTO	01	
6	<p>Determination of coefficient of linear expansion of a material by travelling microscope – Complete with the following –</p> <p>a) Linear Expansion Apparatus :Two one meterlong concentric pipes fitted horizontally on a wooden base outer pipe is covered with asbestos rope & has arrangement for thermometer holes and also steam inlet & outlet supplied with 110 cms. long aluminium & Brass Rod of 1/4" dia. with scratch mark for focusing by traveling microscope.</p> <p>b) Thermometer – 1/10 degree</p> <p>c) Travelling Microscope – Travelling</p>	DI OMSONS	01	

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	microscope T-shaped Model with horizontal and vertical scales. The bed is of cast iron and accurately machined. The horizontal carriage is machined and interground on the guid ways of horizontal bed. The carriage is fitted with vertical brass pillar carrying a microscope tube on a ground scale is 18 cms. And vertical 16 cms. Long. Both the horizontal scale and vertical traverse. Microscope tube is provided with rack and pinion. A milky white Perspex platform is provided on the horizontal bed. Vernier constant 0.001 cms. Complete in well polished wooden case. Having stainless steel scales.	DEVCO		
7	To determine the coefficient of thermal conductivity of a good conductor. Searle's Apparatus only the spiral pipe to flow cold water.	BESTO	01	
8	Radius of Curvature of plane convex lens by Newton's Ring apparatus - Only Newton's Ring apparatus - Compact type - Complete with Newton's Ring lens set fitted in front of microscope. Microscope tube has transverse motion along horizontal traverse. Horizontal motion is provided by micrometer drum. In wooden case.	DEVCO	01	
9	To determine the Hall coefficient of a semiconductor sample. Hall Effect Experiment a) Electromagnet b) Constant Current Power Supply		01	

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10	Function Generator – 2MHz General Purpose 2MHz Function Generator CAT NO : SM5060-2 Product Features <ul style="list-style-type: none">➤ Frequency Range 0.2Hz to 2MHz➤ Digital Frequency➤ LCD Readout for frequency & mode➤ Waveforms: Sine, Square, Triangle, Pulse, Ramp, DC➤ DC-Offset Adjustment➤ Trigger Output➤ Internal Sweep & External FM-Modulation➤ Square Wave Risettime Typ. 40ns➤ Distortion Factor < 0.5% (upto 100kHz)	SCIENTIFIC	01	
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7. Mandatory Conditions:

- The products will be checked, reviewed and verified by the respective department at the time of received of the instruments and as well as after installation (if required). On being satisfied the payment will be made to the bidder who has received the work order.
- The delivery and installation has to be done within 15 days of issue of the work order. If the bidder fails to do so the work order will be regarded cancelled.
- If anything found in violation of the tender notice and work order, the work order will be cancelled and the college authority will bear no responsibility of either of the vendor's preliminary delivery or installation cost or the others thereof.


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