

Government Engineering College Barton Hill,  
Thiruvananthapuram

No. **GECBH/1252/2024-P1**

Dated:03-09-2024

NOTICE

Quotation No: 04/2024-25

Sealed quotations are invited for the **supply of items required for the Electrical Measurement and Instrumentation Lab** in Electrical & Electronics Engineering Department of this Institution specified in the schedule attached below/overleaf. The rates quoted should be for delivery of the articles at the place mentioned below the schedule. The necessary superscription, due date for the receipt of quotations, the date up to which the rates will have to remain firm for acceptance and the name and address of officer to whom the quotation is to be sent are noted below. Any quotation received after the time fixed on the due date is liable to be rejected. The maximum period required for delivery of the articles should also be mentioned. Quotations not stipulating period of firmness and with price variation clause and/or 'subject to prior sale' condition are liable to be rejected.

The prices quoted should be inclusive of all taxes, duties, GST etc. which are or may become payable by the contractor under existing or future law or rules of the country of origin/supply or delivery during the course of execution of the contract.

Special conditions, if any, printed on the quotation sheets of the tenders or attached with the tender will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.

Superscription : Supply of items required for the Electrical Measurement and Instrumentation Lab in Electrical & Electronics Engineering Department of this Institution

Quotation No: **04/2024-25**

Due date and time for receipt of quotations: **18.09.2024; 2pm**

Date and Time for opening Quotation: 18.09.2024; 3pm

Date up to which the rates are to remain firm for acceptance: 28/02/2024

Designation and address of Officer whom the quotation is to be addressed: Principal  
Government Engineering College, Barton Hill

Place: Thiruvananthapuram

Date:03-09-2024

SHINY G  
PRINCIPAL, EC

Detailed Specifications attached below:

Copy to

1. Dr Biji G, Asst. Professor in EEE
2. Sri Rajesh Kumar K, System Analyst (for publishing website)
3. Notice Board

Supply of items required for the Electrical Measurement and Instrumentation Lab in Electrical & Electronics Engineering Department of this Institution		
Sl.No	Item with Specification	Quantity
1	<p style="text-align: center;"><b><u>Wattmeter</u></b></p> <p>Type: Single phase            Voltage range : 75/150/300 V            Current : 1/2/5A            Power factor : lpf            Portable wattmeter housed in Bakelite case with knife edge Pointer &amp; anti parallax mirror, scale of 150 mm length</p>	3
2	<p style="text-align: center;"><b><u>Wheatstone Bridge</u></b></p> <p>Measuring Medium Resistance values            Range: 0.001 to 11.1 M.Ohms            Accuracy : <math>\pm 0.05\%</math>            In - built 4.5V dry battery            Best quality Manganin wire is used for coils.            In- built high sensitive galvanometer of <math>20\mu\text{A}/\text{mm}</math>            Optional Light spot Galvanometer can also be supplied</p>	1
3	<p style="text-align: center;"><b><u>Kelvin's Double Bridge</u></b></p> <p>Capable of measuring resistance from 0.1 micro ohm to 1.1 ohms.            Ten standard resistances of Manganin are provided in step of 0.1 ohm each in dial with five multiple ratios of 0.001, 1, 10 and 100 ohms.</p> <p><b>Main dial :</b> The variable arm of the bridge consists of a decade resistance dial of 0.01 ohms Step(0.01- 0.1 ohm)</p> <p><b>Slide wire dial(white scale):</b>            A graduated slide wire scale is divided in 500 equal parts; the value of one scale division at multiplier 1 is 0.00002 ohms or 0.02m.</p>	1

**Multiplier:**

A range multiplier consists of double ratio box giving multiplying factor of 0.01,0.1,1,10 &100

DC Source : 0-12 VDC/10 A

Galvanometer 30-0-30 Division Sensitivity of  $2\mu\text{A/Division}$

Conductivity Attachment - 1No

Connecting Leads( current carrying capacity 10 Amps)