LBS COLLEGE OF ENGINEERING ,KASARAGOD

QUOTATION NOTICE

No.D-1449/2024-1 Date: 17.01.2026

Sealed competitive Quotations are invited by the Principal, LBS College of Engineering, Kasaragod from authorised dealers for the supply of Equipment to the Circuits measurement Lab of EEE Department of this Institution.

Quotation should be super scribed "Quotation for the supply of equipment to the Circuit measurement Lab against Quotation No D-1449/2024-1 due on 27-01-2026. The rates quoted should be for the Supply of the items at LBS College of Engineering, Povval, Muliyar PO, Kasaragod. Quotations received after the time fixed on the due date is liable to be rejected. Maximum period required for the delivery of the items should also be mentioned.

The prices quoted should be inclusive of all taxes. The quotationer shall also quote the percentage of rebate/discount if any offered by them against the items. Special conditions if any or printed on quotation will not be applicable to the contract unless they are explicitly accepted in writing by the undersigned.

Due date and time for receipt of quotation	:	27-01-2026 2 PM
Date and time of opening the quotation	:	27-01-2026 3 PM
Date up to which the rates are to remain firm for acceptance	:	6 Months
To whom the quotation is to be addressed	:	The Principal, LBS College of Engineering Muliyar (P O), Kasaragod-671542.

L.B.S. COLLEGE OF ENGINEERING (A GOVT. OF KERALA UNDERTAKING) KASARAGOD

PRINCIPAL
LBS COLLEGE OF ENGINEERING
KASARAGOD - 671542

Encl: Specification of item

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2 HOD, EEE Department
3 Notice Board

SPECIFICATION OF ITEMS

Sl No	Item	Specification	Qty
1	WHEAT STONE BRIDGE	The equipment shall be based on a four-arm Wheatstone bridge configuration with provision for connecting an unknown resistance in one arm. Two arms shall be provided for range selection to facilitate selection of the nearest measurement range. The measuring range shall be 5 Ω to 100 kΩ, with an accuracy of ±0.2 across the full range and component tolerance of ±5%. A digital galvanometer shall be provided for clear indication of the bridge balance condition. The unit shall operate on a built-in regulated power supply and shall be housed in a durable, powder-coated cabinet with a clearly labeled front-panel mimic logic diagram. Required patch cords shall be supplied. User manual and experimental procedure documentation shall be provided. The equipment shall carry a minimum warranty of one (1) year against manufacturing defects.	1
2	DECADE RESISTANCE BOX	The equipment shall be provided with four resistance selection dials for accurate measurement. Dial-1 shall have a resistance range of 0 to 900 Ω with a resolution of 100 Ω, Dial-2 shall have a range of 0 to 9000 Ω with a resolution of 1000 Ω, Dial-3 shall have a range of 0 to 90 kΩ with a resolution of 10 kΩ, and Dial-4 shall have a range of 0 to 900 kΩ with a resolution of 100 kΩ. The total measurable resistance range of the system shall be 0 to 999.9 kΩ.	1
3	KELVIN'S DOUBLE BRIDGE	The bridge shall be suitable for studying the working principle of low-resistance bridge circuits and for determining unknown low resistance values. The equipment shall have a four-arm bridge configuration, with two arms used for range selection and two secondary arms provided for fine balance adjustment. Provision shall be made for connecting the unknown resistance in one arm of the bridge. The measuring range shall be 0.1 Ω to 0.82 Ω, with a component tolerance of ±5%. Connector provisions shall be provided for external connection of standard resistances for calibration and experimentation. The unit shall operate on a built-in regulated power supply and shall be housed in a durable, powder-coated cabinet with a clearly labeled front-panel mimic logic diagram. Required patch cords shall be supplied. User manual and experimental procedure documentation shall be provided. The equipment shall carry a minimum warranty of one (1) year against manufacturing defects.	1
4	SCHERING BRIDGE	The capacitance bridge trainer shall be suitable for studying the working principle of capacitance bridge circuits and for determining unknown capacitance values. The trainer shall be of four-arm bridge configuration with connector provisions on each arm, including provision for connecting the unknown capacitance in one arm. Two arms shall be provided with potentiometers for fine balance adjustment. The bridge shall be energized using a built-in fixed-amplitude 1 kHz oscillator. An audio amplifier with a miniature speaker shall be provided for acoustic indication of the bridge balance condition. The measuring range shall be 0.001 µF to 2.0 µF, with a sensitivity of ±0.1 µF and component tolerance of ±5%. The unit shall be housed in a robust metal cabinet suitable for laboratory use. Required patch cords shall be supplied. User manual and experimental procedure documentation shall be provided. The equipment shall carry a minimum warranty of one (1) year against manufacturing defects.	1
5	DECADE CAPACITANCE BOX	The equipment shall be provided with four capacitance selection dials for accurate measurement. Dial-1 shall have a range of 0 to 0.01 µF with a resolution of 0.001 µF, Dial-2 shall have a range of 0 to 0.1 µF with a resolution of 0.01 µF, Dial-3 shall have a range of 0 to 1 µF with a resolution of 0.1 µF, and Dial-4 shall have a range of 0 to 10 µF with a resolution of 1 µF. The total measurable capacitance range of the system shall be 0 to 11.11µF.	1

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