

Invitation for the quotations for Engineering Physics Lab Equipments

The Bipin Tripathi Kumaon Institute of Technology (BTKIT), Dwarahat, invites sealed quotations from reputed vendors/suppliers/distributors for the supply of **Engineering Physics Lab Equipment** to the Physics Lab at BTKIT, Dwarahat. List of the experiments with specification and required numbers are as follows:

S.No.	Experiments Name	Specification	Quantity
1-	To determine the V-I characteristics of the diode	Complete Experimental setup which consists, Diode, Power Supply, Ammeter, Voltmeter, Load Resistor, Connecting Wires, Lab Manual etc.	02
2-	To study V-I characteristics of LED and laser sources and hence to determine the responsibility of photo receiver	Complete Experimental setup which consists, LED (Light Emitting Diode), Laser Diode, Power Supply, Ammeter, Voltmeter, Load Resistor, Connecting Wires, Photodetector/Photodiode, Multimeter, Lab Manual etc.	02
3-	To measure the optical loss, fiber length and hence determine the attenuation coefficient of optical fiber at different wavelengths and to find radius of curvature of the optical fiber.	Complete Experimental setup which consists, Optical Fiber, A stable laser or LED source with multiple wavelengths, Optical Power Meter, Optical Couplers or Connectors, Power Supply, Lab Manual etc.	02
4-	To find out the fill factor of given solar cell	Complete Experimental setup which consists, Solar Cell, Load Resistor, Multimeter, Illuminating Source, Ammeter, Voltmeter, Connecting Wires, Switch, Lab Manual etc.	02
5-	To determine the numerical aperture and to evaluate V-number of a given optical fiber.	Complete Experimental setup which consists, Diode Laser Source, Photodetector, Multimeter, Microscope Objective, Fiber Holders (2 nos.), Optical Fibers, Base with rotational mount, Holders and Bases, Lab Manual etc.	02

We request you to kindly submit your quotations for the supply of the equipment as detailed in the attached list, in the following manner:

1. Quotation Submission Guidelines:

- (i) The quotation should include detailed pricing, with applicable Goods and Services Tax (GST), and all other charges for the supply of the equipment.

(ii) The rates should be valid for a minimum period of **90 days** from the date of submission.

(iii) The equipment must be delivered to the Physics Lab at BTKIT, Dwarahat, Uttarakhand, within **30 days** from the date of the purchase order.

2. Quotation Submission Method:

(i) The sealed quotations should be sent by **registered post** or **speed post** to the following address:

Director,

Bipin Tripathi Kumaon Institute of Technology (BTKIT)

Dwarahat, Almora, Uttarakhand – 263653

(ii) The envelope should be superscribed with the following: “Quotation for the Supply of Engineering Physics Lab Equipment to BTKIT, Dwarahat”.

3. Deadline for Submission:

All quotations must be received on or before **10 April 2025**, after which no quotations will be entertained.

4. Terms and Conditions:

(i) The Institute reserves the right to accept or reject any quotation without assigning any reason.

(ii) The selected vendor will be required to supply the equipment as per the agreed terms and conditions.

(iii) Payment will be made after successful delivery and installation of the equipment, subject to the final inspection by the committee.

We look forward to receiving your quotation for the supply of the required equipments.