



Notice Inviting Quotation

National Institute of Technology Sikkim invites quotations in sealed envelopes for four setups for Control Systems Laboratory to be submitted to the Store and Purchase office, administrative building, NIT Sikkim having the postal address as Store and Purchase office, administrative building, NIT Sikkim, Ravangla, Namchi, Sikkim, 737139. The last date for submission of the quotation is 11.08.2026 11:00AM. Vendors should make sure that they will be able to quote the price of all components with mentioned volume/quantity for quoting and unit price, and the minimum total price. Taxes, if any should be clearly indicated in the quotation.

Sl. No.	Components	Specification	Quantity	Installation requirement
1.	PID CONTROLLER with DSO Performance evaluation and design of PID Controller (Included DSO)	1. 220V $\pm$ 10% 2. 50Hz mains operation 3. Proportional Band: 5% to 50% (Gain 2-20) 4. Integral time: 10msec - 100msec 5. Derivative time: 2-20msec 6. Digital Storage Oscilloscope (DSO):50 MHz bandwidth, 1 GS/s sample rate, 2 Channel, 20Kpts record length	01	YES
2.	DC SPEED CONTROL SYSTEM	1. 12V, 4W permanent magnet D.C. motor, 2. Speed range: 0 to 3000 rpm Effect of forward gain on disturbance rejection	01	YES
3.	LINEAR SYSTEM EMULATOR To study the performance of First, Second and Third order Systems	1. 220V $\pm$ 10% 2. 50Hz mains operation, 3. Frequency: 45-90Hz, 4. Amplitude: 0-2.5V approximately, 5. Resolution:1: 1000	01	YES
4.	D.C. MOTOR STUDY Study of characteristics of a dc motor. Transfer function can also be evaluated in this system.	1. 12V, 8W D.C. motor 2. Small generator (2W) for speed pick up and loading 3. 4-digit speed display	01	YES



Terms and Conditions:

1. The quotation shall be on the letterhead of the bidder and must contain the GST& PAN of the bidder. All pages should also be signed and stamped by the bidder. The quotation shall be addressed to the Registrar NIT Sikkim. Physical sealed quotations shall only be accepted. Email quotations shall not be considered for evaluation.
2. The prices quoted should be FOR NIT Sikkim and must include all incidental charges for delivery and installation up to NIT Sikkim. Taxes, if any should be clearly indicated in the quotation. The rates of taxes should be clearly spelt out in the quotation.
3. The item must be delivered and installed within 4 weeks of the issue of the Purchase Order. Failure to comply with the same shall result in liquidated damages recovered @ 1% per week.
4. The institute reserves the right to not accept the lowest price as the sole criteria for award of the purchase order. The quality requirement of the institute shall not be compromised in any case. The institute may ask any bidder for demonstration or clarification. The brand of the items must also be mentioned in the quotation.
5. The institute reserves the right to increase or decrease the quantity of item(s) depending on the need of the institute.
6. The lodging and fooding for the manpower deployed for installation shall be sole responsibility of the bidder.
7. Submission of quotation shall be deemed to be the acceptance of the conditions in this document.
8. For relevant queries, if any, may be communicated to the following Email ID purchaseoffice@nitsikkim.ac.in
9. Quotation received from the NIQ No.69/NITS/EEE/Control Systems Lab./2025-26/26, dated:09.06.2026 shall remain valid.

Registrar
NIT Sikkim