

NOTICE INVITING QUOTATION

Procurement of laboratories consumable items for the ECE Department of NIT
Delhi



NIQ NUMBER: NITD/2025/S&P/NIQ/004

NATIONAL INSTITUTE OF TECHNOLOGY DELHI
An autonomous Institute under the aegis of
Ministry of Education (Shiksha Mantralaya), Government of India
Plot FA7, Zone P-1, G T Karnal Road
Delhi - 110036

NIT Delhi is an autonomous Institute under the aegis of Ministry of Education (Shiksha Mantralaya), Government of India. The Institute is inviting bids for the Laboratories Consumables Items for the ECE Department of NIT Delhi as per details provided in this bid document.

Quotations need to be submitted only through Registered/Indian Post. The bidders are requested to read the technical specifications carefully and ensure compliance with all specifications/ instructions. Non-compliance with specifications/ instructions mentioned in this document may lead to disqualification of the bidders.

The Competent authority of NIT Delhi reserves the right to accept/reject the offer or to accept/reject any bid wholly or partly or to cancel the complete purchase process without assigning any reason whatsoever. Incomplete bids or late bid submissions are liable to be ignored and rejected.

The quotations are hereby invited on behalf of THE DIRECTOR, NATIONAL INSTITUTE OF TECHNOLOGY (NITD) DELHI from the bidders with respect to the following item categories:

ITEM CATEGORIES

Sr. No.	Products Description	Qty. No.	Specification of the item
1.	IC LM 555	100	As per Annexure-1
2.	Diode (1N4007)	500	
3.	Diode (1N4148)	100	
4.	FET BFW11	20	
5.	12-0-12 V (Transformer)	10 pieces	
6.	Transistor (BC548)	100	
7.	Photodiode	40	
8.	IC 741	100	
9.	Solder wires (250 gram)	2	
10.	Flux	2	
11.	Amazon Basic Magnetic Ratchet Screwdriver	1	
12.	Electrical Tester Pen Taparia	1	
13.	Nylon Brush (1inch + 2inh + 3inch)	1 set	
14.	General Purpose PCB	20	
15.	Breadboard	40	
16.	Battery 9 V	20	
17.	Cable Sleeve (3-7mm)	50 meters	
18.	Cutting plier	1	
19.	Single Core Connecting Wires	1 Bundles	
20.	Cable Zip ties	6 packets	
21.	Electric Extension Board	5	
22.	Tweezers (ESD)	10	
23.	Soldering Protective Gloves	2	
24.	Magnifying Glass	1	
25.	IC 7400(Quad 2-input NAND Gate)	100	

26.	IC 7486(Quad 2-input XOR Gate)	100	As per Annexure-1
27.	IC 74148(8-to-3 Priority Encoder)	50	
28.	IC 74150(16-to-1 Multiplexer)	50	
29.	IC 74154(4-to-16 Decoder/Demux)	50	
30.	IC 74139(Dual 2-to-4 Line Decoder)	50	
31.	IC 7410(Triple 3-input NAND Gate)	50	
32.	IC 7474(Dual D-type Flip-Flop)	50	
33.	IC 74153(Dual 4-to-1 Mux)	50	
34.	Magnifying Glass	2	
35.	Taparia, Steel Bit Screwdriver (Set)	1	
36.	RJ 45 strain relief boot	100	
37.	Pass-through Connectors	100	
38.	Ethernet N/W (Cat-6 (2-meter length) Cable	20	
39.	Sigma Digital Multimeter (Current Gain) SIGMA 22A	1	
40.	LAN Cable (cat-6) D link	1Bundle	
41.	Router (TP Link)	1	
42.	Hard Disk (1TB)	1	

IMPORTANT DATES

1. Last date for receiving quotation: 07-08-2025 at 5:00 PM
2. Tentative Date of opening quotations: 08-08-2025 at 11:00 AM

OTHER TERMS AND CONDITIONS

1. Rates are to be quoted by the vendors on F.O.R basis.
2. The items quoted by the vendor should be new and as per the specifications mentioned in Annexure-I.
3. Rates to be quoted should be final (including delivery, installation, freight & labour charges etc) and nothing extra shall be paid over the quoted rates by the Institute. Annexure II is attached for the same.
4. Kindly note that the actual number of items is tentative and the quantity may increase/decrease at the time of placing the order as per the requirement of the Institute.
5. Payment will be released only after satisfactory supply, installation and inspection of the items by the Institute.
6. No part payment requests shall be entertained by the Institute and the payment shall be processed only after the delivery, installation and inspection of all the ordered items as per the Purchase Order issued by the Institute.
7. **Maximum Delivery Period should be 30 days.**
8. **Copies of GST Registration and PAN** shall be provided.

ADDITIONAL INFORMATION / DOCUMENTS REQUIRED

1. The **delivery period** needs to be explicitly mentioned while quoting by the vendor.
2. The **warranty period** needs to be explicitly mentioned by the vendor.
3. **The printed literature and/or catalogue/brochure giving full technical details should be included with the quotation to verify the specifications quoted by the vendor.**
4. **The bidders should provide copies of suitable documents in support of their reputation, credentials and past performance.**
5. **The vendor should provide the documents in support of firm's registration with appropriate authorities.**

***Heading on the envelope must be mentioned.**

"Quotation for procurement of laboratories consumable items for the ECE Department of NIT Delhi"

The postal address for submitting the Quotations in hard copy is as follows:

The Store & Purchase Section
3rd Floor, Admin Block
National Institute of Technology (NIT) Delhi
Plot No. FA-7 Zone P1, GT Karnal Road, Delhi-110036.

CONTACT DETAILS

If any queries related to the said NIQ then contact on below mentioned contact number or email address:

Name: Puneet

Designation: Superintendent, Store & Purchase

Phone: 01133861026/ 9588735134

Email: centralstore@nitdelhi.ac.in

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Deputy Registrar (S&P)
National Institute of Technology, Delhi

Technical Specifications of Items

Sr. No.	Products Description	Specifications	Qty. No.
1.	IC LM 555	Supply Voltage Mini - 4.5V, Supply Voltage Max -16V, 8Pins, TTL Compatible	100
2.	Diode (1N4007)	Standard Recovery diode, Diode configuration - Single, forward voltage max 1.1V, forward surge current – 30A, 2 pins.	500
3.	Diode (1N4148)	Silicon Switching Diode, Peak Reverse Voltage 100V, Forward Current 300mA	100
4.	FET BFW11	Type: -N-Channel Junction Field Effect Transistor (JFET), Drain-Source Voltage (Vds): 25V Gate-Source Voltage (Vgs): -25V Drain Current (Idss): 6mA – 15mA	20
5.	12-0-12 V (Transformer)	Output Voltage: Dual 12V AC (centre tapped) Input Voltage: 230V AC Current Rating: 1A / 2A (as required) Power Rating: 24VA / 48VA	10 pieces
6.	Transistor (BC548)	Type: NPN Bipolar Junction Transistor Collector-Emitter Voltage: 30V Collector Current: 100mA Power Dissipation: 500mW	100
7.	Photodiode	Type: Silicon PIN Photodiode Wavelength Range: 400–1100 nm Reverse Voltage: 30V Dark Current: < 1nA	40
8.	IC 741	Type: General Purpose Operational Amplifier No. of Pins: 8 (DIP-8 package) Supply Voltage: $\pm 15V$ (max $\pm 22V$) Input Offset Voltage: 2mV	100
9.	Solder wires (250 gram)	Type: 60/40 Tin-Lead Composition Weight: 250 grams Core: Rosin flux core Wire Gauge: 22 SWG (standard)	2
10.	Flux	Type: Rosin-based or No-clean type Form: Paste or liquid	2
11.	Amazon Basic Magnetic Ratchet Screwdriver	Type: Multi-bit magnetic screwdriver Bits Included: Phillips, Flathead, Torx Handle: Ergonomic, rubber grip Ratchet: Forward, reverse, and lock settings	1

12.	Electrical Tester Pen Taparia	Voltage Range: 100–250V AC Material: Insulated plastic handle Tip: Flat metal blade	1
13.	Nylon Brush (1inch + 2inh + 3inch)	Material: Nylon bristles, plastic or wooden handle Sizes: 1 inch, 2-inch, 3 inch (set of 3)	1 set
14.	General Purpose PCB	Type: Perforated Phenolic Board Size: 5x7 cm, 10x15 cm (commonly used) Hole Pitch: 2.54 mm	20
15.	Breadboard	Type: Solderless, Power Rails: Dual	40
16.	Battery 9 V	Type: Alkaline or Rechargeable Capacity: ~500 mAh (alkaline)	20
17.	Cable Sleeve (3-7mm)	Size Range: 3 mm to 7 mm diameter Type: Braided nylon/fabric or PVC	50 meters
18.	Cutting plier	Type: Diagonal cutter	1
19.	Single Core Connecting Wires	Core Type: Solid or stranded copper Size: 22 AWG or 1 mm ²	1 Bundles
20.	Cable Zip ties	Material: Nylon 66 Size: 100 mm to 150 mm Colour: White/Black	6 packets
21.	Electric Extension Board	Sockets: 4 sockets with universal pin support Input Voltage: 220V AC Features: Indicator light, master switch, 5A or 10A rating	5
22.	Tweezers (ESD)	Material: Stainless steel with ESD coating Tip Type: Straight or angled	10
23.	Soldering Protective Gloves	Soldering Protective Gloves Material: Heat-resistant cotton or Kevlar Size: M / L Temperature Resistance: Up to 300°C	2
24.	Magnifying Glass	Magnifying Glass, Magnification: 3x to 5x Type: with stand	1
25.	IC 7400(Quad 2-input NAND Gate)	Contains four independent 2-input NAND gates, Logic Family: TTL Package: DIP-14 Voltage: 4.75V–5.25V	100
26.	IC 7486(Quad 2-input XOR Gate)	Logic Level: TTL Package: DIP-14	100
27.	IC 74148(8-to-3 Priority Encoder)	Active LOW inputs and outputs TTL compatible	50

28.	IC 74150(16-to-1 Multiplexer)	Output is inverted (active low) TTL	50
29.	IC 74154(4-to-16 Decoder/Demux)	All outputs active LOW TTL, DIP-24	50
30.	IC 74139(Dual 2-to-4 Line Decoder)	Active LOW outputs TTL, DIP-16	50
31.	IC 7410(Triple 3-input NAND Gate)	Logic Level: TTL Package: DIP-14	50
32.	IC 7474(Dual D-type Flip-Flop)	Positive-edge triggered TTL, DIP-14	50
33.	IC 74153(Dual 4-to-1 Mux)	Non-inverting output TTL, DIP-16	50
34.	Magnifying Glass	Lens: Optical glass/plastic Magnification: 3x-5x Type: Handheld	2
35.	Taparia, Steel Bit Screwdriver (Set)	Manual, Insulated handles	1
36.	RJ 45 strain relief boot	Material: PVC Fits standard RJ-45 connectors	100
37.	Pass-through Connectors	Type: RJ-45	100
38.	Ethernet N/W (Cat-6 (2-meter length) Cable	Category: Cat-6 Connector type RJ45 Cable type Ethernet Speed: High Speed Length: Customizable	20
39.	Sigma Digital Multimeter (Current Gain) SIGMA 22A	Model: Sigma 22A Measures: Voltage, Current, Resistance Feature: hFE (Current Gain for transistors) Display: LCD Power: 9V battery	1
40.	LAN Cable (cat-6) D link	Category: Cat-6 Connector type RJ45 Cable type Ethernet Brand: D-Link Speed: High Speed Length: Customizable	1Bundle
41.	Router (TP Link)	Brand: TP-Link Type: Wi-Fi Router (Dual-band optional) Speed: up to 1200 Mbps 2.4-2.5 GHz. Ports: 4 LAN,1 WAN, Features: WPA3, Guest Network	1
42.	Hard Disk (1TB)	Capacity: WD 1TB Portable Hard Disk Drive Compatible with Windows and Mac	1