

No. BCREC/25-26/ECE /004/NIT

Date: 05-12-2025

Extension Of Tender Submission Date For The Supply Of "Consumable and Non Consumable items for Basic Electronics lab and Digital Electronics Lab" To Dr. B. C. Roy Engineering College For The Financial Year 2025-26.

It has been decided to extend the tender submission date as mentioned below for the supply "Consumable and Non Consumable items for Basic Electronics lab and Digital Electronics Lab" as per the specifications annexed in Tender Notice No. BCREC /25-26/ECE/003/ NIT dated 12/11/2025

<i>Existing</i>	<i>Modified/Amended</i>
On or Before 17.00 hrs of 05-12-2025	On or Before 17.00 hrs of 15-12-2025

1. Those vendors who have already submitted their tender may not resubmit their tender afresh again.
2. The remaining content of the Tender Notice No. BCREC/ECE/25-26/003/ NIT dated 12-11-2025 will remain unaltered.


Head

**Department of Electronics and Communication Engineering
Dr. B. C. Roy Engineering College, Durgapur**

For display in College website & for wide circulation.

Dr. B. C. Roy Engineering College
Jemua Road, Fuljhore, Durgapur, Paschim Bardhaman 713206

No. BCREC / 25-26 /ECE/ 003/ NIT

Date: 12/11/2025

NOTICE INVITING TENDER

Sealed quotations / tenders are invited from reputed firms / suppliers for **supply of the "Consumable and Non-Consumable items for Basic Electronics lab and Digital Electronics Lab "** as per the requirement (enclosed herewith) to **Dr. B. C. Roy Engineering College, Jemua Road , Fuljhore, Durgapur, Paschim Bardhaman 713206, for the financial year 2025-26.**

Mere submission of quotation / lowest price for the process doesn't ensure any assurance for the work order. Quotation/s/tender/s must be submitted in original separately, clearly mentioning validity period for approved rates (basic price), all taxes, installation charges, discounts (if any), rate of changes to be incorporated in subsequent years etc. along with any other costs thereon; failing which tender will be summarily rejected.

All other legal documents must be furnished along with quotations such as Experience Certificate (certificate from the customer dated not more than 3 years), PAN / TAN, valid Trade License, One Cancelled Cheque, GST Reg. No., IT return of last 3 years etc. Quotations must contain detailed aforementioned specifications along with other information and terms and conditions if required. No advance money will be provided for execution of the job. **Full payment will be made either by cheque or online by the institution after successful completion of the work (delivery, installation and demonstration). Last date for submission of quotation will be 05/12/2025 up to 17.00 Hrs.** The quotation is valid for the entire period of the financial year ending on **31-03-2026.** The quotation documents are non-refundable. Work Order order will be issued to qualified L1 bidder as per the requirements of the college throughout the entire financial year subject to fulfillment of all rules and regulations. **The Tender Inviting Authority (TIA) reserves the right to accept / reject any quotation without assigning any reason thereof.**

Payment and delivery schedule must have to be mentioned in the quotation.


Head

Department of Electronics and Communication Engineering
Dr. B. C. Roy Engineering College, Durgapur

Quotation for the Basic Electronics Lab (Consumable Items) for the Academic year 2025-2026.

Sl. No.	Item Name	Item Description/Specification	Quantity
1	IC74266	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	50
2	IC7400	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	100
3	IC7402	<ul style="list-style-type: none"> • Quad two input positive NOR gate • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	100
4	IC74004	<ul style="list-style-type: none"> • Six Hex Inverter • Voltage supply 5V • The output can be Interface with TTL, CMOS. • Propagation delay 10 to 20ns • 14 PIN DIP 	100
5	IC7408	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	100
6	IC7432	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	80
7	IC7486	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns 	80

		<ul style="list-style-type: none"> • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	
8	IC741	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	60
9	BFW10	<ul style="list-style-type: none"> • 30V drain-source voltage, • 20mA drain current • 300mW total power dissipation. 	50
10	5.6v Zener Diode	<ul style="list-style-type: none"> • Voltage 5.6V • Power rating 1W 	70
11	1n4007 Diode	<p>Maximum Repetitive Peak Reverse Voltage (VRRM): 1000V</p> <p>Maximum RMS Voltage: 700V</p> <p>Maximum DC Blocking Voltage: 1000V</p> <p>Average Forward Current (IF(AV)): 1.0A</p> <p>Peak Forward Surge Current (IFSM): 30A</p> <p>Maximum Forward Voltage (VF): 1.1V (at 1A)</p> <p>Maximum DC Reverse Current (IR): 5.0μA @ 25°C</p> <p>Typical Junction Capacitance: 15pF</p> <p>Typical Reverse Recovery Time: 2.0μs</p> <p>Mounting Type: Through Hole</p> <p>Operating Temperature: -55°C to 150°C</p>	100
12	CL 100 BJT	<p>Transistor Polarity: NPN</p> <p>Collector-Emitter Voltage (VCEO): 50V</p>	30

		<p>Continuous Collector Current (IC): 1A (1000mA)</p> <p>Emitter-Base Voltage (VEBO): 5V</p> <p>Power Dissipation (PD): 3W</p> <p>Operating Temperature Range: -55°C to 175°C</p> <p>DC Current Gain (hFE): 20 (typical)</p>	
13	Mosfet 2N7000/2N7002	<p>Package: Typically found in a TO-92 package.</p> <p>Drain Current (ID): 350 mA (continuous).</p> <p>Drain-Source Voltage (VDSS): 60V.</p> <p>Gate Threshold Voltage (VGS-th): 0.8V (typical).</p> <p>On-Resistance (RDS(on)): Typically < 5 Ohms @ 10V.</p> <p>Power Dissipation (PD): 400 mW.</p>	30
14	Multimeter Probe	<ul style="list-style-type: none"> • Maximum voltage levels, typically ranging from 1000V • Current rating, often around 10A • Common lengths being around 1.5 meter. 	20
15	CRO probe	<ul style="list-style-type: none"> • Needed for high-speed signals. • Display a signal 1/10th the actual magnitude 	25
16	9V battery	9V	25
17	10 k ohm resistor	1/2W	100
18	1 k ohm resistor	1/2W	100
19	470 ohm resistor	1/2W	100
20	LED-Red,Green,Blue,Yellow	<ul style="list-style-type: none"> • Voltage: 3.0v-3.8v • Typical: 3.3v 	20

		<ul style="list-style-type: none">• Current: 20Ma• Peak: 75mA	
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Quotation for the Basic Electronics Lab (Non Consumable Items) for the Academic year 2025-2026.

Sl. No.	Item Name	Item Description/ Specification	Quantity
1	Table Top Analog Ammeter	Table Top Analog Ammeter (Range: 0–50 mA, Accuracy: 1.5% or more, Large Dial)	6
2	Table Top Analog DC Voltmeter	Table Top Analog DC Voltmeter (Range: 0–30V, Accuracy: 1.5% or more, Large Dial)	6
3	Digital Multimeter	<ul style="list-style-type: none"> • Isolated Functions <ul style="list-style-type: none"> ➤ DC/AC voltage, DC/AC current, resistance, diode voltage, continuity. • Resolution – 3.5digit • DC Voltage range – 50mV DC, 500mV DC, 5V DC, 50V DC • AC Voltage range – 50mV RMS, 500mV RMS, 5V RMS, 50V RMS. • Resistance range - 50Ω, 500Ω, 5KΩ, 50KΩ, 500KΩ, 5MΩ, 50MΩ 	20
4	Screwdriver Set	Screwdriver Set (Standard 5-piece Set)	5
5	Wire Cutter	Wire Cutter (Standard)	4
6	Digital Storage Oscilloscope	Digital Storage Oscilloscope (DSO) 30MHz Bandwidth: 50 MHz Sample Rate: 1 GSa/s Record Length: 40 M Vertical Sensitivity: 2 mV/div to 10 V/div Horizontal Scale: 2 ns/div to	4

		1000 s/div	
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**Quotation for the Digital Electronics Lab (Consumable Items) for the
Academic year 2025-2026**

Sl no	Name of the item	Item Description/ Specification	Quantity
1	IC7400 14 PIN DIP	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	100
2	IC 7476 16 PIN DIP	<ul style="list-style-type: none"> • Dual JK Flipflop with Preset and clear input • The output can be Interface with TTL, CMOS. • Voltage supply 5V 	25
3	IC7402 14 PIN DIP	<ul style="list-style-type: none"> • Quad two input positive NOR gate • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	50
4	IC 7408 14 PIN DIP	<ul style="list-style-type: none"> • Voltage supply 5V • Propagation delay 10ns • The output can be Interface with TTL, CMOS. • 14 PIN DIP 	80
5	IC 7486 14 PIN DIP	<ul style="list-style-type: none"> • Quad two input Exclusive OR gate • The output can be Interface with TTL, CMOS. • Large operating voltage range • Voltage supply 5V • Propagation delay 20ns 	70
6	IC7404 14 PIN DIP	<ul style="list-style-type: none"> • Six Hex Inverter • Voltage supply 5V • The output can be Interface with TTL, CMOS. • Propagation delay 10 to 20ns • 14 PIN DIP 	100
7	IC 7415 14 PIN DIP	<ul style="list-style-type: none"> • Voltage supply 5V 	150

**Quotation for the Digital Electronics Lab (Consumable Items) for the
Academic year 2025-2026**

		<ul style="list-style-type: none"> • 14 PIN DIP • Independent 3 input AND gate • The output can be Interface with TTL, CMOS. 	
8	IC 7474 16 PIN DIP	<ul style="list-style-type: none"> • Two D type Flipflop • Voltage supply 5V • The output can be Interface with TTL, CMOS. 	50
9	IC 7483 16 PIN DIP	<ul style="list-style-type: none"> • 4 bit binary adder for adding two 4 bit no. • The output can be Interface with TTL, CMOS. • Supply voltage 5V 	50
10	IC 7410 14 PIN DIP	<ul style="list-style-type: none"> • Triple 3 input NAND gate • Voltage supply 5V • Propagation delay 22ns 	70
11	IC 74151 16 PIN DIP	<ul style="list-style-type: none"> • High speed 8 inputs digital Multiplexer • The output can be Interface with TTL, CMOS. • Voltage supply 5V 	25
12	WIRE CUTTER	<ul style="list-style-type: none"> • High carbon stainless steel body • Hard ABS Plastic cover handles • Corrosion resistance 	2
13	HOOK UP WIRE SINGLE STAND 0.511mm	<ul style="list-style-type: none"> • Single stand 0.511mm 	12 Bundle