फोन नं. (02164) 272414, 8275706613
Web : http://gcekarad.ac.in
Email: principal@gcekarad.ac.in,
principal.gcekarad@dtemaharashtra.gov.in

महाराष्ट्र शासन
शासकीय अभियांत्रिकी महाविद्यालय कराड
(महाराष्ट्र शासनाची स्वायत्त संस्था)
विद्यानगर कराड पिन-415124 जि. सातारा

No. CEK/ ENTC/AIC /2020-2021/ 991

DATE – 24/02/2021

25 FEB 2021

To,

Subject – Quotation for Analog Integrated Circuit lab

Dear Sir,
With reference to above, I have to request you to kindly quote your rates for below mentioned material for **Electronics and Telecommunication Engineering Department** "of this Institute so as to reach this office on or before 15/03/2021 till 5.00 pm ,The details are as given below –

Sr. No.	Description	Qty.
1.	Analog Integrated Circuit lab Schimitt Trigger kit	5
2.	Wein Bridge Oscillator using OP-AMP kit	5
3.	Astable multivibrator using OP-AMP kit	5
4.	Monostable multivibrator using OP-AMP kit	5
5.	Colpitts Oscillator using OP-AMP kit	5
6.	Hartley Oscillator using OP-AMP kit	5
7.	Voltage to Current Converter kit	5
8.	Current to Voltage Converter kit	5

Your quotation should be valid for at least 30 days from the date of opening. The quotation should be sent to **"The Principal, Government College of Engineering, Karad"** in sealed envelope superscripted with word **"Quotation of Analog Integrated Circuit lab for Electronics and Telecommunication Engineering Department" due on 15/03/2021.** The Institute does not bind itself to accept or reject the quotation. Please note that if there is any over-writing in the quotation, the said term will not be taken into consideration

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महाराष्ट्र शासन

शासकीय अभियांत्रिकी महाविद्यालय कराड

(महाराष्ट्र शासनाची स्वायत्त संस्था)

विद्यानगर कराड पिन–415124 जि. सातारा

Terms and Conditions:

1. Quote should be valid for at least 30 days from the date of opening.Right to reject any or all quotation lies with undersigned.
2. Delivery period 4 weeks from date of supply order.
3. Rates quoted should be including free delivery, at the institute inclusive of all the lead and lift
4. Rates quoted should be inclusive of all applicable taxes, installation and demonstration of equipment's.
5. Prior demonstration of Kit, equipment is required wherever necessary.
6. Payment after satisfactory demonstration and necessary working manuals.
7. Warranty 12 months or more.
8. Total amount will be considered for final call for quotation. No made or any part payment will be done under any circumstances advance shall be.

The quotation will be opened on **16/03/2021 at 03.00 p.m.**

Specifications are as enclosed.

Thanking you.

Principal,

Govt. College of Engineering, Karad.

(Anil Karwankar).

(A N Shah)

A.U.Molik.

Analog Integrated Circuit Lab

Detailed Specifications

1.SCHMITT TRIGGER

1. Function Generator -3 MHz
2. CRO -30 MHz
3. Dual Power Supply- 0 – 30 V
4. Op-Amp IC 741
5. Bread Board
6. Resistors-3(1KΩ)
8. Connecting wires and probes as required

2. WEIN BRIDGE OSCILLATOR USING OP AMP

1. CRO -30 MHz
2. Dual Power Supply-(0 – 30 V)
3. Op-Amp- IC 741
4. Bread Board
5. Resistors -2Nos(10KΩ, 3.3 KΩ,) Potentiometer(50 kΩ)
6. Capacitors-0.05 μF
7. Connecting wires and probes as required

3.ASTABLE MULTIVIBRATOR USING OP AMP

1. Function Generator- 3 MHz
2. CRO -30 MHz
3. Dual Power Supply- 0 – 30 V
4. Op-Amp -IC 741
5. Bread Board
6. Resistors -50K, 30K, 35K
7. Connecting wires and probes as required

4. MONOSTABLE MULTIVIBRATOR USING OP AMP

1. Function Generator- 3 MHz
2. CRO- 30 MHz
3. Dual Power Supply 0 – 30 V
4. Op-Amp IC 741
5. Bread Board
6. Resistors-150kΩ,30kΩ,30Ωk,2kΩ
7. Capacitors-1μF,0.1μF
8. Diode-IN4148
9. Connecting wires and probes as required

5. COLPITTS OSCILLATOR USING OP AMP

1. CRO 30 MHz
2. Dual Power Supply 0 – 30 V
3. Op-Amp -IC 741
4. Bread Board
5. Resistors -3 Nos (10K,4.7K,1.5K)
6. Capacitors-5Nos (24nF,240nF,0.1μF, 0.1μF, 0.1μF)
7. Inductors- 2Nos (10mH,300mH)
8. Connecting wires and probes as required

6. HARTLEY OSCILLATOR USING OP AMP

1. CRO 30 MHz
2. Dual RPS 0 – 30 V
3. Op-Amp IC 741
4. Bread Board
5. Resistors -3 Nos (100K,4.7K,1.5K)

6. Capacitors-1No (1nF)

7. Inductors- 2Nos (0.1μH,1μH)

8. Connecting wires and probes as required

7 VOLTAGE TO CURRENT CONVERTER

1. CRO -30 MHz

2.Digital Multimeter

3. Dual Power Supply 0 – 30 V

4. Op-Amp IC 741- 1No

5. Bread Board -1No

6. Resistors -2 Nos (250Ω,100Ω)

7. Connecting wires and probes as required

8 CURRENT TO VOLTAGE CONVERTER

1. CRO -30 MHz- 1No

2.Digital Multimeter

3. Dual Power Supply 0 – 30 V -1No

4. Op-Amp IC 741- 1No

5. Bread Board -1No

6. Resistors -2 Nos (250Ω,100Ω)

7. Connecting wires and probes as required