

GOVERNMENT COLLEGE OF ENGINEERING, KARAD
(An Autonomous Institute of Government of Maharashtra)

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No. CEK/ ENTC/Quotation /2018-2019/3748

DATE -12/12/2018

To,

Subject – Quotation for Electronic devices and 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 08/01/2019 till 5.00 pm ,The details are as given below –

Sr. No.	Description	Qty.
1	Power supply Trainer	2
2	Clipper and Clamper Trainer	2
3	Single stage Amplifier	2
4	Hartley and Colpitts Oscillator Trainer	2
5	Wein Bridge Oscillator Trainer	2
6	Crystal Oscillator	2
7	Transistor As Switch	2
8	Single stage FET Amplifier	2
9	Regulation Circuit Shunt	2
10	Regulation Circuit Series	2

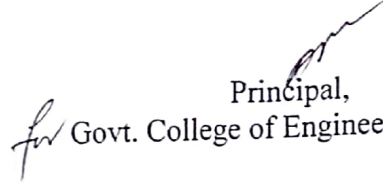
Your quotation should be valid for at least 30 days from the date of opening. The quotation should be sent to **“The Principal, Government College of Engineering, Karad”** in sealed envelope superscripted with word **“Quotation of Electronic devices and circuit lab for Electronics and Telecommunication Engineering Department”** due on 08/01/2019. 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.

Terms and Conditions:

1. Quotation validity for at least 30 days from the date of opening.
2. Delivery period 4 weeks from date of supply order.
3. Payment 100% after delivery and satisfactory acceptance.
4. Warranty 12 months or more.
5. Total amount will be considered for final call for quotation.

The quotation will be opened on 09/01/2019 at 03.00 p.m. Specifications are as enclosed.

Thanking you.


Principal,
Govt. College of Engineering, Karad.

Sr. No.	Name and description of the equipment	Specification
1	Power supply Trainer	<p style="text-align: center;">Outputs</p> <ul style="list-style-type: none"> • Zener diodes : 10V, 5.6V • Regulators : Positive Supply Regulators (78XX series) • Negative Supply Regulators (79XX series) • Adjustable Positive Supply Regulators (LM317) • LM723 Regulating Power Supply • Load : 5kW variable with 1kW fixed resistance • Bleeder Resistor : 5kW variable with 1kW fixed resistance • Astable Multivibrator : 1Hz, 14Vpp • Transformer : Primary 0 to 220V, Secondary 18-0-18, 6-0-6 (500mA) • Fuse : 500mA (slow blow, spare fuse is given in mains socket) • Mains Supply : 230V \pm10%, 50Hz
2	Clipper and Clamper Trainer	<ul style="list-style-type: none"> • Mains Supply : 230 V \pm10%, 50 Hz • Sine Wave Generator : 1 KHz, 15V Vpp(approx.) • DC Power Supply : 0 - 5 V (vary through (2No.) rotary switch for specific voltage level)
3	Single stage Amplifier	<ul style="list-style-type: none"> • With Emitter Resistance And bypass resistance • Inbuilt Power supply, • Built in IC based regulated Power supply - +15 V DC/200 mA
4	Hartley and Colpitts Oscillator Trainer	<ul style="list-style-type: none"> • Biasing Voltage : +12V DC • Design of Oscillators : Passive Elements with NPN Transistors
5	Wein Bridge Oscillator Trainer	<ul style="list-style-type: none"> • Biasing Voltage : +12V, -12V DC • Design of Oscillators : Passive Elements with Op - Amp
6	Crystal Oscillator	<ul style="list-style-type: none"> • With Inbuilt Power supply. • Test Point for different reading and point to points • Frequency (fXTAL) 8.0 MHz, • Load Capacitance (CL) 13 pF, • Mode of Operation Fundamental Shunt Capacitance (C0) 7 pF (maximum) , • Equivalent Series Resistance (ESR) 100 Ω (maximum)
7	Transistor As Switch	<ul style="list-style-type: none"> • Transistor As switch with different Load for LED, Relay and 7 Segment. • Base and load current measurement with different loads
9	Regulation Circuit Shunt	<ul style="list-style-type: none"> • for 1 Amp
10	Regulation Circuit Series	<ul style="list-style-type: none"> • for 2 Amp