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

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No. GCEK/ ENTC /NAS/2019-2020/ 5357 DATE – 20 / 09 /2019

To,

20 SEP 2019

Subject – Quotation for Network Analysis and Synthesis Lab kits

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 14 /10/2019 till 5.00 pm ,The details are as given below –

Sr. No.	Description	Qty.
1	**Network Analysis and Synthesis Lab kits** **Network Theorem Trainer Kit.**	4
2	**Two Port Network Trainer kit**	4
3	**Transient Analyse of RC/RL Circuits kit**	4
4	**Two Port Ladder Network kit.**	4
5	**Interconnection of Two Port Networks**	4

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 Network Analysis and Synthesis Lab kits for Electronics and Telecommunication Engineering Department" due on 20 -9-2019** .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 **15-10-2019 at 11.00 a.m**
Specification are as enclosed.

Thanking you.

for Principal,
Govt. College of Engineering, Karad.

Sr. No.	Name and description of the equipment	Specification
1	Network Theorem Trainer Kit	**Network Theorem kit** • Exclusive and compact design • In-built power supply • Constant current source • On board Voltmeter & Ammeter • Straight forward representation of all theorems • On board equivalent circuits • Potentiometer is provided to vary load resistance • Mains power supply : 90 - 270V ±10%, 50Hz • DC power supply : +5V, Regulated +12V, • Regulated Constant Current Source : 3.2 mA • Voltmeter Range : 200mV to 20V • Ammeter Range : 200µA to 200mA • Dimensions (mm) : W 350 x D 280 x H 55
2	Two Port Network Trainer kit	**Two port Network Trainer kit** • Easy experimental illustration of Two Port Network analysis • Inbuilt +12 V and +5 V DC Power • Supplies Low cost • Mains Supply : 230 V ±10%, 50 Hz • DC Power Supplies : +12 V, +5 V • Dimensions (mm) : W 250 × D 150 × H 80 • Weight : 600 gm. • **Scope of Studies** • Study of Z-Parameters of a Passive Two Port Network • Study of Y-Parameters of a Passive Two Port Network • Study of ABCD-Parameters of a Passive Two Port Network
3	Transient Analyse of RC/RL Circuits kit	**Experimentation with Transient Analysis of RC/RL Circuits** • Easy experimental illustration of Transient Analysis of RC and RL circuits • Built-in +5V DC Power Supply • Built-in Signal Generator • Low cost • DC Power Supply : +5V • Mains Supply : 230V ±10%, 50Hz • Dimensions (mm) : D 250 x W 150 x H 80 • Weight : 700g (approximate) • **Scope of Studies** • Study the Transient Response of a series RC circuit and understand the time constant concept with DC Power Supply • Study the Transient Response of a series RL circuit and understand the time constant concept with DC Power Supply

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		• Study the Transient Response of a series RC circuit with Signal Generator • Study the Transient Response of a series RL circuit with Signal Generator
4	Two Port Ladder Network kit.	**Two Port Ladder Network kit** • Exclusive and Compact design • Inbuilt +12V DC Power Supply • DC Power Supply : 12V, 150mA • Transfer Function (Theoretical) : 0.205 • Transfer Function (Practical) : 0.205 • Weight : 450g • Dimensions (mm) : W 250 x D 150 x H 80 • **Scope of Studies** • Study and verification of Transfer Function of Two Port Ladder Network
5	Interconnection of Two Port Networks	**Interconnection of Two Port Networks** • Easy experimental illustration of Two Port Network analysis • Inbuilt +12 V and +5 V DC Power • Mains Supply : 230 V ±10%, 50 Hz • DC Power Supply : +12 V, +5 V • Weight : 470 • Dimensions (mm) : W250 × D150 × H 80 • **Scope of Studies** • Study of Cascade Connection of Two Port Networks • Study of Series Connection of Two Port Networks • Study of Parallel Connection of Two Port Networks ¡Study of Loading Effect with Cascade Connection of Two Port Networks • Study of Loading Effect with Series Connection of Two Port Networks • Study of Loading Effect with Parallel Connection of Two Port Networks

Gopakumar