

PURCHASE ORDER

Reference No:

GECA/TEQIP-III/2019/12

TEQIP-III/2018/geca/Shopping/16

8/01/2019

Date of Issue:

04-Jan-2019

Subject:

GECA/TEQIP-III /2017-18//EIC- ELECTRONIC DEVICE LAB

Purchaser:

Government Engineering College, Ajmer
N.H.8 , BARLIYA CIRCLE, NEAR NARELI TEMPLE,
AJMER

Supplier Name:

M/s Vinytics Peripherals Pvt. Ltd.
WB-10, Shakarpur, Delhi, Delhi, 110092

With reference to our correspondence, Government Engineering College, Ajmer is pleased to award this detailed Purchase Order to M/s Vinytics Peripherals Pvt. Ltd. for supply of items as per the details given below at a total cost of 164704.00 (Rs. One Lakh Sixty Four Thousand Seven Hundred & Four Only):

Sr. No	Item Name	Quantity	Unit Cost (Rs.)	Total Cost (Rs.)	Delivery Period
1	" Series and Shunt voltage regulators	1	2700	2700	45
2	" UJT and UJT as relaxation experimental kit	2	2400	4800	45
3	" Zener diode and study of zener diode as voltage regulator.	2	2700	5400	45
4	"Two stage RC coupled amplifier experimental trainer	2	2400	4800	45
5	ANALOG AMETER	2	270	540	45
6	ANALOG AMMETER	2	210	420	45

7	ANALOG VOLTMETER	2	210	420	45
8	ANNALOG AMMETER	2	250	500	45
9	Application of Diode as clipper & clamper	2	2700	5400	45
10	BJT amplifier with and without feedback	2	2400	4800	45
11	BJT in CB, CC and CE trainer	1	2400	2400	45
12	Bridge rectifier experimental trainer	2	3600	7200	45
13	Design Fabrication and Testing of k-derived filters (LP/HP).	2	2600	5200	45
14	Digital storage CRO (Study and Store a transient on it)	1	25000	25000	45
15	Emitter follower experimental trainer	2	2400	4800	45
16	Half wave rectifier experimental trainer	2	3600	7200	45
17	Kit for P N Junction diode (V-I Characteristics, cut in voltage, reverse saturation current and static and dynamic resistance)	1	2700	2700	45
18	Kit for Plot and study the characteristics of small signal amplifier using FET	1	2200	2200	45
19	Kit for Plot drain current, drain voltage and drain current- gate bias characteristics of FET measure Idss & Vp	1	2700	2700	45
20	Kit for Plot Gain frequency Characterstic of 2 stage RC couple Amplifier and calculate its bandwith and copmare it with therotical value	1	2400	2400	45
21	Kit for Plot gain frequency Characterstic of Emitter follower	1	2400	2400	45
22	Kit for study of push - pull amplifier to measure variation of output power and distortion with load	1	2700	2700	45
23	Kit for Study of series and shunt voltage regulator and measurement of line regulation and ripple factor	1	2700	2700	45
24	Kit for Zener diode (V-I characteristics)	1	2700	2700	45
25	Kit of Hartley oscillators observe the effect of variation of C on oscillator frequency.	1	1900	1900	45

26	Kit of UJT (Plot the characteristics and relaxation)	1	2400	2400	45
27	Oscillators: (a) Hartley (b) Colpitts experimental kit	2	2700	5400	45
28	PN Junction diode trainer kit	2	2700	5400	45
29	Push pull amplifier experimental trainer	2	2700	5400	45
30	Single stage amplifier experimental trainer	2	2400	4800	45
31	Small signal amplifier using FET.	2	2200	4400	45
32	Transistor phase shift oscillator experimental trainer	2	2000	4000	45
33	Wein bridge oscillator experimental trainer	2	1900	3800	45

Total price (without taxes)	:	Rs. 139580.00
Total applicable taxes	:	18 %
Total price (with taxes)	:	Rs. 164704.00
Total Octroi	:	Rs. 0

Delivery	:	Government Engineering College, Ajmer
Testing/Installation Clause (if any)	:	Onsite Testing and installation required cost must be included in quotation
Training Clause (if any)	:	Training required cost must be included in quotation
Technical Specifications	:	As per Annexure - 1
Delivery Period	:	As specified for each item from date of issue of confirmed purchase order or as early as possible.
Warranty	:	12

Payment Terms :

Delivery and Installation - 90% of total cost
Satisfactory Acceptance - 10% of total cost

For

Government Engineering College, Ajmer


(Authorized Signatory)

Principal
Name & Designation
Govt. Engineering College,
AJMER

Accepted by

Signature

Date

Address

Annexure I

Sr. No	Item Name	Specifications
1	" Series and Shunt voltage regulators	"Product Description: On panel 3 combinations of C, & R On panel circuit diagram for charging & discharging SPDT switch for charge & discharge operation Fixed power supply 9 V @ 500 mA On panel 10 V digital meter"
2	" UJT and UJT as relaxation experimental kit	"Product Description: DC supply 12 V @ 500 mA On panel circuit diagram Required numbers of patch cords and operating manual. D. Required numbers of patch cords and operating manual. Features: High Quality Highly Efficient Safest"
3	" Zener diode and study of zener diode as voltage regulator.	"Variable DC regulated power supply of 0-12V at 250mA On board different valued three Zener diodes On board Different valued three resistors Dual Range DC Voltmeter of 1.5V/15V Dual Range DC Ammeter of 250uA/20mA Required number of patch cords"
4	"Two stage RC coupled amplifier experimental trainer	"Power ON switch & indicator. • Set Of Resistance. • RC arrangement. • Sin wave input. • complete manual . • Connecting wires and Patch cords. • Thick metallic cabinet."
5	ANALOG AMETER	0- 50 MA
6	ANALOG AMMETER	0-500 MICRO AMP
7	ANALOG VOLTMETER	0-20V
8	ANNALOG AMMETER	0-100 MICRO AMP.
9	Application of Diode as clipper & clamper	"Features: Built-in 1KHz Sine Wave Generator Good quality, reliable sockets and test points are provided Strongly supported by systematic operating instructions A low cost training system including many experiments 2 Years warranty Specifications: Mains Supply: 230 V $\pm 10\%$, 50 Hz Sine Wave Generator: 1 KHz, 15V Vpp (approx.) DC Power Supply (2No.) : 0 - 5 V (vary through rotary switch for specific voltage level) Weight: 1.7 Kgs. (approx.) Dimensions (mm.): W 260 X D 355 X H 125"
10	BJT amplifier with and without feedback	"Power Supply $\pm 8V$ Amplifier Circuit Using BC 108 With Load Wood Box (Closed Type)"
11	BJT in CB, CC and CE trainer	Features : Instrument comprises of fixed output. DC Regulated Power Supply $\pm 12V$, Circuit diagram is printed and Components mounted on the front panel & connections of important points brought out at Sockets.
12	Bridge rectifier experimental trainer	Bridge Rectifier Trainer Kit is a complete set consists of a step down transformer of different taping with four diode fitted on board for bridge connection with necessary terminals. All terminals are special Push to Open Hole type and circuit can be connect with bair Hook up wire a filter section provided with one Inductor and two electrolytic capacitors. Complete with variable load resistance and one AC voltmeter in dual range for measuring input AC supply voltage and ripple voltage. One DC voltmeter and one current meter is also provided on panel

13	Design Fabrication and Testing of k-derived filters (LP/HP).	"Built in power supply : no need Dimension : 27CMS X 17CMS [metal cabinet] Weight : 2KGS APPX"
14	Digital storage CRO (Study and Store a transient on it)	"Digital storage CRO (Study and Store a transient on it), DSO 100/200 MHZ OR OTHER HIGHER FREQUENCY,"
15	Emitter follower experimental trainer	"Power Supply $\pm 8V$ Amplifier Circuit Using BC 108 With Load Wood Box (Closed Type)"
16	Half wave rectifier experimental trainer	Half Wave Revtification. Fitted with three meters & transformer with no. of tappings. Variable load is also provided near there output terminals. All connections brought out on 4mm color coded banana sockets & used to study ripple factor & relation between r.m.s & average value.
17	Kit for P N Junction diode (V-I Characteristics, cut in voltage, reverse saturation current and static and dynamic resistance)	PERFORM LAB EXPERIMENT for P N Junction diode (V-I Characteristics, cut in voltage, reverse saturation current and static and dynamic resistance)
18	Kit for Plot and study the characteristics of small signal amplifier using FET	To perform lab Experiment of Plot and study the characteristics of small signal amplifier using FET
19	Kit for Plot drain current, drain voltage and drain current- gate bias characteristics of FET measure I_{dss} & V_p	PERFORM LAB EXPERIMENT for Plot drain current, drain voltage and drain current- gate bias characteristics of FET measure I_{dss} & V_p
20	Kit for Plot Gain frequency Characteristic of 2 stage RC couple Amplifier and calculate its bandwidth and compare it with theoretical value	perform lab experiment on Plot Gain frequency Characteristic of 2 stage RC couple Amplifier and calculate its bandwidth and compare it with theoretical value
21	Kit for Plot gain frequency Characteristic of Emitter follower	Perform Lab experiment on Plot gain frequency Characteristic of Emitter follower
22	Kit for study of push - pull amplifier to measure variation of output power and distortion with load	To perform lab experiment for study of push - pull amplifier to measure variation of output power and distortion with load
23	Kit for Study of series and shunt voltage regulator and measurement of line regulation and ripple factor	To perform lab experiment of series and shunt voltage regulator and measurement of line regulation and ripple factor (Line regulation and load regulation)
24	Kit for Zener diode (V-I characteristics)	PERFORM EDC LAB EXPERIMENT on Zener diode (V-I characteristics)
25	Kit of Hartley oscillators observe the effect of variation	To perform Lab experiment of Hartley oscillators observe the effect of variation of C on oscillator frequency.

	of C on oscillator frequency.	
26	Kit of UJT (Plot the characteristics and relaxation)	PERFORM LAB EXPERIMENT on UJT (Plot the characteristics and relaxation)
27	Oscillators: (a) Hartley (b) Colpitts experimental kit	"Features: Exclusive and compact design Straight forward representation of Hartley and Colpitt Oscillators +12V SMPS Adaptor provided with the trainer for power supply Designed by considering all the safety standards Low cost trainer including illustration of Oscillator's design using passive elements Online Product Tutorial 2 Year Warranty Specifications: Biasing Voltage: +12V DC Dimensions (mm): 240 W x 345 D x 110 H Weight: 1kg (approximate)"
28	PN Junction diode trainer kit	"Instrument comprises of the following: Two Continuously Variable DC Regulated Power Supply 0-3V, 0-30V able through a toggle switch. One Round MO65 dual range voltmeter. One Round MO65 dual range ammeter. Different type of Resistances and Capacitors Two PN Junction Diodes connected behind the front panel. One ON/OFF Switch with jewel light is provided on the front panel. Made of Heavy duty metal box construction."
29	Push pull amplifier experimental trainer	"Built in Regulated Power supply DC +15V/300 mA Power supply Voltage range : AC 100V - 230 V Frequency range : 50 - 60Hz Housing is mounted in an elegant ABS Plastic cabinet for better viewing and portability Dimension 29cm x 20cm x 11cm Weight 1.5kgs"
30	Single stage amplifier experimental trainer	"Power ON switch & indicator. • Set Of Resistance. • RC arrangement. • Sin wave input. • complete manual . • Connecting wires and Patch cords. • Thick metallic cabinet"
31	Small signal amplifier using FET.	Features : Instrument comprises of DC Regulated Power Supply, Circuit diagram is printed, components mounted on the front panel.
32	Transistor phase shift oscillator experimental trainer	"Built in fixed power supply of 12V at 250mA On board transistor with filters Input and output sockets onboard Required number of patch cords"
33	Wein bridge oscillator experimental trainer	"Features: Exclusive and compact design Straight forward representation of Wein Bridge Oscillator +12V, -12V inbuilt SMPS provided with the trainer for power supply Designed with considering all the safety standards Online product tutorial Low cost trainer including illustration of Oscillator design using passive elements 2 Year Warranty Specifications: Biasing Voltage: +12V, -12V DC Dimensions(mm) 240 W x 345 D x 110 H Weight: 1kg (approximate)"