

INVITATION FOR QUOTATION

TEQIP-III/2018/geca/Shopping/16

25-Jul-2018

To,

M/s

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

1. You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

Sr. No	Brief Description	Qty.	Delivery Period (In days)	Place of Delivery	Installation Requirement (if any)
1	" Series and Shunt voltage regulators	1	45	Govt. Engineering College Ajmer NH-8 Barliya Choraha Ajmer-305025	Onsite testing and installation required cost must be included in quotation
2	" UJT and UJT as relaxation experimental kit	2			
3	" Zener diode and study of zener diode as voltage regulator.	2			
4	"Two stage RC coupled amplifier experimental trainer	2			
5	ANALOG AMETER	2			
6	ANALOG AMMETER	2			
7	ANALOG VOLTMETER	2			
8	ANNALOG AMMETER	2			
9	Application of Diode as clipper & clamper	2			
10	BJT amplifier with and without feedback	2			
11	BJT in CB, CC and CE trainer	1			
12	Bridge rectifier experimental trainer	2			
13	Design Fabrication and Testing of k-derived	2			

	filters (LP/HP).			
14	Digital storage CRO (Study and Store a transient on it)	1		
15	Emitter follower experimental trainer	2		
16	Half wave rectifier experimental trainer	2		
17	Kit for P N Junction diode (V-I Characteristics, cut in voltage, reverse saturation current and static and dynamic resistance)	1		
18	Kit for Plot and study the characteristics of small signal amplifier using FET	1		
19	Kit for Plot drain current, drain voltage and drain current- gate bias characteristics of FET measure Idss & Vp	1		
20	Kit for Plot Gain frequency Characterstic of 2 stage RC couple Amplifier and calculate its bandwith and copmare it with therotical value	1		
21	Kit for Plot gain frequency Characterstic of Emitter follower	1		
22	Kit for study of push - pull amplifier to measure variation of output power and distortion with load	1		
23	Kit for Study of series and shunt voltage regulator and measurement of line regulation and ripple factor	1		
24	Kit for Zener diode (V-I characteristics)	1		
25	Kit of Hartley oscillators observe the effect of variation of C on oscillator frequency.	1		
26	Kit of UJT (Plot the characteristics and relaxation)	1		
27	Oscillators: (a) Hartley (b) Colpitts experimental kit	2		
28	PN Junction diode trainer kit	2		
29	Push pull amplifier experimental trainer	2		
30	Single stage amplifier experimental trainer	2		
31	Small signal amplifier using FET.	2		
32	Transistor phase shift oscillator experimental trainer	2		
33	Wein bridge oscillator experimental trainer	2		

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
 - 3.1 The contract shall be for the full quantity as described above.
 - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
 - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
 - 3.4 Applicable taxes shall be quoted separately for all items.
 - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
 - 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **45** days after the last date of quotation submission.
6. Evaluation of Quotations,

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

 - 6.1 are properly signed ; and
 - 6.2 confirm to the terms and conditions, and specifications.
7. The Quotations would be evaluated for all items together.
8. Award of contract:

The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation price.

 - 8.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process and reject all quotations at any time prior to the award of contract.

- 8.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
9. Payment shall be made in Indian Rupees as follows:
- Delivery and Installation - 90% of total cost**
- Satisfactory Acceptance - 10% of total cost**
10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.
11. You are requested to provide your offer latest by **10:00** hours on **13-Aug-2018** .
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **Training required cost must be included in quotation**
14. Testing/Installation Clause (if any) **Onsite Testing and installation required cost must be included in quotation**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
16. Sealed quotation to be submitted/ delivered at the address mentioned below,
N.H.8 , BARLIYA CIRCLE, NEAR NARELI TEMPLE, AJMER
17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

Annexure I

S. N.	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 tapping 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 Idss & Vp	PERFORM LAB EXPERIMENT for Plot drain current, drain voltage and drain current- gate bias characteristics of FET measure Idss & Vp
20	Kit for Plot Gain frequency Characterstic of 2 stage RC	perform lab experiment on Plot Gain frequency Characterstic of 2 stage RC couple Amplifier and

	couple Amplifier and calculate its bandwidth and compare it with theoretical value	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 of C on oscillator frequency.	To perform Lab experiment of Hartley oscillators observe the effect of variation 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 supplyDC +15V/300 mA Power supply Voltage range : AC 100V - 230 V Frequency range : 50 - 60Hz HousingIt is mounted in an elegant ABS Plastic cabinet for better viewing and portability Dimension29cm x 20cm x 11cm Weight1.5kgs"
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)"

FORMAT FOR QUOTATION SUBMISSION

(In letterhead of the supplier with seal)

Date: _____

To:

Sl. No.	Description of goods (with full Specifications)	Qty.	Unit	Quoted Unit rate in Rs. (Including Ex Factory price, excise duty, packing and forwarding, transportation, insurance, other local costs incidental to delivery and warranty/ guaranty commitments)	Total Price (A)	Sales tax and other taxes payable	
						In %	In figures (B)
Total Cost							

Gross Total Cost (A+B): Rs. _____

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (Amount in figures) (Rupees _____ amount in words) within the period specified in the Invitation for Quotations.

We confirm that the normal commercial warranty/ guarantee of _____ months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.

We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in bribery.

Signature of Supplier

Name: _____

Address: _____

Contact No: _____