



Government Engineering College, Ajmer,

N.H.8 , Barliya Circle, Near Nareli Temple, Ajmer

INVITATION LETTER

Package Code: TEQIP-III/2019/RJ/GECA/20

Current Date: 22.08.2019

Package Name: GECA/TEQIP-III/2017-18/Multipurpose Instruments.

Method: Shopping Goods

To,

M/s

.....

.....

Sub: Invitation Letter For GECA/TEQIP-III/2017-18/ECE- Multipurpose Instruments.

Dear Sir,

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

S. N.	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)
1	Linear DC Power Supply	15	Govt. Engg. College, Ajmer N.H. 8, Barliya Circle, Near Nareli Temple, Ajmer	Onsite installation and testing & commissioning required.
2	Spectrum Analyzer	1		
3	Digital multimeter	20		
4	25 MHz - 2 channel Function Generator	20		
5	Digital Storage Oscilloscope	20		

- 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

- The contract shall be for the full quantity as described above.
- Corrections, if any, shall be made by crossing out, initialling, dating and re writing.
- All duties and other levies payable by the supplier under the contract shall be included in the unit Price.
- Applicable taxes shall be quoted separately for all items.
- 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 **90** 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:
 - Satisfactory Delivery & Installation - 90% of total cost**
 - Satisfactory Acceptance - 10% of total cost**
10. Liquidated Damages will be charged at the rate of 0.01 % per day on pre tax billing amount if delivery period exceeds 45 days. Purchase Order shall be understood cancelled automatically without any prior notification if delivery period exceeds 60 days.
11. All supplied items are under warranty of **36** months from the date of successful acceptance of items and AMC/Others.
12. You are requested to provide your offer latest by **12:30** hours on **05-Sept.-2019**, the quotation received within stipulated date and time shall be opened on **05-Sept.-2019 at 1:30 PM**.
13. Detailed specifications of the items are at Annexure I. Any Deviation from specification should be highlighted in the bid.
14. Training Clause (if any) : Basic and Advance (full functioning) with maintenance training on-site required.
15. Testing/Installation Clause (if any) **Onsite installation and testing & commissioning required. The vendor should visit the site to understand the installation requirement.**



16. Performance Security shall be applicable: **5% of pre tax billing amount**
17. Purchase Order awarded bidder shall furnish one performance security of 5% of contract value (pre tax billing amount) in the form of bank guarantee valid for 39 months from the scheduled date of completion of assignment.
18. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
19. The bidder must submit their financial bid in the prescribed format (Annexure-2) and no other format is acceptable.
20. The bidder shall quote only one specific make/model from only specific OEM for each of the goods. Bid will be rejected if bidder provide more than one make/model for an item/good.
21. Vendor/bidder must submit two bids concurrently, i.e technical bid and financial bid, with proper marking on envelopes. Financial bids shall be opened of only those bidders who have been declared technically qualified by the Purchase Committee.
22. The qualification criteria for technical bid shall be following (The envelope marked for technical bid must contain all the supporting documents):
 - I. Only authorized dealer/ agency of Original Equipment Manufacturer (OEM) or OEM should apply against this invitation for bid. In the case of the bidder, offering to supply goods under the bid, which the bidder does not manufacture or otherwise produce, the bidder has to provide Manufacturer's Authorization Certificate for each item (excluding services) strictly as per format at Annexure -3. Bids submitted without authorization certificate for each item (excluding services) as per Annexure-3 will be summarily rejected.
 - II. The average turnover of the bidder quoting for the bid should be Rs. 250 Lakhs during the last three financial years (2016-2017, 2017-2018 & 2018-2019). In this regard, the bidder should submit CA certificate and last three years Balance Sheets audited by a CA including profit and loss accounts for the last three financial years as above.
 - III. OEM Firm or bidder must have executed at least :
 - One single order of similar items having value of Rs. 20 Lakhs
 - (OR)
 - Two orders of similar items having value of Rs. 15 Lakhs.
 - (OR)
 - Three orders of similar items having value of – Rs. 10 Lakhs.{Here,*similar means 'supply and installation of **Electronics Instruments / Multi Purpose Instruments** for any Govt. Dept/PSU/reputed organization in the last three years i.e. 2016-2017, 2017-2018 & 2018-2019 till the date of invitation letter.
Copies of purchase order and successful work completions certificate must be



submitted.}

- IV. Bidder must submit the latest GST Registration Certificate along with clearance status of 'no dues' of GST.
 - V. The bidder has not been blacklisted by Central Govt./State Govt./PSUs/Autonomous bodies. Further, the bidder has neither filed any litigation against Central/State Govt. nor declared "no performer" by Govt./State Govt./PSUs/Autonomous bodies. An affidavit must be submitted by the bidder.
 - VI. The OEM firm of each item should have the valid ISO 9001:2015 and/or ISO14001:2015 certification (copies of ISO certificate(s) to be submitted.)
 - VII. Lab test report from NABL accredited lab is required for confirming the requirements of all the governing parameters of technical specification given in Annexure-1.
 - VIII. Compliance sheet of technical specification of each item (in the order as given in Annexure 1) should be provided.
 - IX. A Confirmation letter as per format at Annexure-4 on firm's letterhead that the bidder will provide normal Commercial warranty/guarantee of 36 months on all supplied items, and agrees with the terms & conditions mentioned in the invitation letter.
 - X. OEM firm must have a service centre in the state of Rajasthan.
 - XI. Sample(s) of each type of items have to be submitted with bid and sample evaluation will be a part of technical bid evaluation.
23. The purchase committee has full power to take any decision for the tender or quotation.
 24. Sealed quotation to be submitted/ delivered at the address mentioned below, **Principal, Government Engineering College, Ajmer, N.H.8 , Barliya Circle, Near Nareli Temple, Ajmer**
 25. We look forward to receiving your quotation and thank you for your interest in this project.

Dr. Rohit Misra
Principal

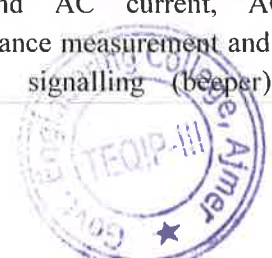


Annexure I

Sr. No **Item Name**

Specifications

1	Linear DC Power Supply	<ul style="list-style-type: none"> • Type : Bench Top, Variable Magnitude Three Output DC Power Supply: • Output Range: Two 30V/3A, and one 5V/3A. • Resolution: Resolution of 10mV / 1mA. • voltage outputs with 0.06% basic accuracy • current outputs with 0.2% basic accuracy • Output DC power with less than 5mVp-p noise • Memory: 30 Setup memory locations. • Quick setup with both direct-entry numeric keypad and rotary knob • Timer Bases turn off facility with simultaneous Digital Display. • Displays voltage and current for all three channels simultaneously • Each channel On/Off independently • All three channel should be Isolated. • Password-protected front-panel lockout • Control the supply from a PC with an optional USB adapter. • Calibration Certificate should be provided. • 3 Year Warranty. 														
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Frequency Range</td> <td>9KHz-6.2GHz</td> </tr> <tr> <td>Real Time Analysis Bandwidth and probability of Interception transients</td> <td>40 MHz and 125usec</td> </tr> </table>	Frequency Range	9KHz-6.2GHz	Real Time Analysis Bandwidth and probability of Interception transients	40 MHz and 125usec										
Frequency Range	9KHz-6.2GHz															
Real Time Analysis Bandwidth and probability of Interception transients	40 MHz and 125usec															
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">A/D Converter</td> <td>14 Bit, 100MS/s or better</td> </tr> <tr> <td>Measurement Range</td> <td>-140dBm to +20dBm</td> </tr> <tr> <td>Trigger Type</td> <td>IF Power</td> </tr> <tr> <td>RBW range</td> <td>10Hz-8MHz</td> </tr> <tr> <td>Spectrogram Display</td> <td>Understanding signal behavior with time.</td> </tr> <tr> <td>Trace Functions</td> <td>Normal, Average (VRMS), Max Hold, Min Hold</td> </tr> </table>	A/D Converter	14 Bit, 100MS/s or better	Measurement Range	-140dBm to +20dBm	Trigger Type	IF Power	RBW range	10Hz-8MHz	Spectrogram Display	Understanding signal behavior with time.	Trace Functions	Normal, Average (VRMS), Max Hold, Min Hold		
A/D Converter	14 Bit, 100MS/s or better															
Measurement Range	-140dBm to +20dBm															
Trigger Type	IF Power															
RBW range	10Hz-8MHz															
Spectrogram Display	Understanding signal behavior with time.															
Trace Functions	Normal, Average (VRMS), Max Hold, Min Hold															
2	Spectrum Analyzer	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Basic Vector analysis functions</td> <td>Amplitude, frequency, phase vs. time, RF I and Q vs. time</td> </tr> <tr> <td>Displayed Average Noise Level (Typical)</td> <td>a) -158 dBm/Hz b) -150 dBm/Hz</td> </tr> <tr> <td>AM/FM listening Capability</td> <td>Hear, and record to file, FM and AM Signals</td> </tr> <tr> <td>RF measurements</td> <td>Spectrum emission mask, Occupied BW, MCPR and CCDF.</td> </tr> <tr> <td>Spurious Measurement</td> <td>User-defined limit lines provide automatic spectrum violation testing across the entire range of the instrument.</td> </tr> <tr> <td>Spectrum analysis Software</td> <td>SW should be available to connect & control Spectrum analyzer using laptop/PC</td> </tr> <tr> <td>Warranty</td> <td>Three Years</td> </tr> </table>	Basic Vector analysis functions	Amplitude, frequency, phase vs. time, RF I and Q vs. time	Displayed Average Noise Level (Typical)	a) -158 dBm/Hz b) -150 dBm/Hz	AM/FM listening Capability	Hear, and record to file, FM and AM Signals	RF measurements	Spectrum emission mask, Occupied BW, MCPR and CCDF.	Spurious Measurement	User-defined limit lines provide automatic spectrum violation testing across the entire range of the instrument.	Spectrum analysis Software	SW should be available to connect & control Spectrum analyzer using laptop/PC	Warranty	Three Years
Basic Vector analysis functions	Amplitude, frequency, phase vs. time, RF I and Q vs. time															
Displayed Average Noise Level (Typical)	a) -158 dBm/Hz b) -150 dBm/Hz															
AM/FM listening Capability	Hear, and record to file, FM and AM Signals															
RF measurements	Spectrum emission mask, Occupied BW, MCPR and CCDF.															
Spurious Measurement	User-defined limit lines provide automatic spectrum violation testing across the entire range of the instrument.															
Spectrum analysis Software	SW should be available to connect & control Spectrum analyzer using laptop/PC															
Warranty	Three Years															
3	Digital multimeter	<p>DC current measurement and AC current, AC/DC voltage measurement up to 600V, Resistance measurement and continuity test, continuity test with acoustic signalling (beeper), Temperature</p>														



measurement (Fahrenheit and Celsius units), Frequency measurement, Capacitance measurement, Diode test, Duty cycle, Auto ranging/manual range selection, DATA HOLD function, for holding measured values, Backlit LCD, REL function, Over range indication, Display 3 1/8 digits(5000 max) AUTO-OFF function.

AC Current measurement Range: 400.0µA, 4.000µA, 40.00 mA, 400.00 Ma, 4.000A, 10.00A

Accuracy: ±(1.5% m.v + 5 digits)

DC Current measurement Range: 400.0µA, 4.000µA, 40.00 mA, 400.00 Ma, 4.000A, 10.00A

Accuracy: ±(1.5% m.v + 5 digits)

AC Voltage measurement Range: 400.0mV, 4.000V, 40.00V, 400.0V, 600.0V

Accuracy: ±(1.5% m.v + 70 digits)

DC Voltage measurement Range: 400.0mV, 4.000V, 40.00V, 400.0V, 600.0V

Accuracy: ±(1.5% m.v + 70 digits)

Frequency measurement Range: 5.000Hz, 50.000Hz, 500.000Hz, 5.000KHz, 50.000KHz, 500.000KHz, 5.000 MHz, 10.00 MHz

Accuracy: ±(1.5% m.v + 5 digits)

Resistance measurement Range: 400.0Ω, 4.000KΩ, 40.00KΩ, 400.0KΩ, 4.000MΩ, 40.00MΩ

Accuracy : ±(1.2% m.v + 4 digits)

Capacitance measurement Range: 40.00nF, 400.0nF, 4.000µF, 40.00µF, 100.0µF

Accuracy: ±(5% m.v + 7 digits)

Temperature measurement Range: -20.0...760.0°C, -4.0....1400°F

Accuracy : ±(3% m.v + 5°C), ±(3% m.v + 5°F)

Duty Cycle measurement Range: 0.1.....99.9%

Accuracy: ±(1.2% m.v +2 digits)

Electric security: Measurement category CAT II 600V acc. to EN 61010-1: 2004

Protection class acc. to EN 60529 : IP40

Other technical data:

- power supply 9V battery type 6LR61

- display 5000 counts, backlit LCD

- continuity test I<0,3mA, sound signal for R<50Ω

- accordance with following standards EN 61010-1:2004EN 61010-2-032

- quality standard ISO 9001

4

25 MHz - 2 channel Function Generator

Analog Channels	2
Sample Rate	125 MS/s
Bandwidth	25 MHz
Vertical Resolution	14-bit
Record Length	8k points
Output Frequency Range	25 MHz
Output amplitude Range	1 mVp-p to 10 Vp-p (50ohm load)
Arbitrary Waveform	64-MByte internal non-volatile memory



	Storage	
	Frequency Counter	Built-in 200 MHz counter with 6-digit resolution
	Connectivity	Trigger In, Ext Modulation In, Ext Ref In and Out, USB Host and Device
	Display	3.95 inch color TFT LCD
	Other Features	Continuous, sweeping, burst, and modulation modes (AM, FM, PM, ASK, FSK, PSK, PWM); output over current protection
	Software	Free Software makes user defined waveforms editing extremely easy through an external USB memory stick
	Warranty	5-year Warranty
5	Digital Storage Oscilloscope	<ol style="list-style-type: none"> 1. Bandwidth & Channel : 100 MHz & 2 Channel 2. Sample rate : 2 GSa/Sec on each channel. 3. Automatic Measurement : Period, Frequency, Positive Width, Negative Width, Rise Time, Fall Time, Maximum, Minimum, Peak-Peak, Mean, RMS, Cycle RMS, Cursor RMS, Phase, Positive Pulse Cnt, Neg Pulse Cnt, Rise Edge Cn, Fall Edge Cn, Pos Duty, Negative Duty, Amplitude, Cycle Mean, Cursor Mean, Burst Width, Positive Overshoot, Negative Overshoot, Area, Cycle Area, High, Low, Delay RR, Delay RF, Delay FR, Delay FF. 4. Advance triggers including pulse and line selectable video triggers. 5. 7 inch WVGA (800X480) Active TFT Color Display and zoom function. 6. 34 automated measurements, Dual window FFT, simultaneously monitor both the time and frequency domains. 7. Integrated courseware feature and dual channel 6 digit frequency counter. 8. 5 year Standard Warranty. 9. DC Gain accuracy : $\pm 3\%$, from 10mV per/div to 5V/div. 10. Time base range : 2.5 nS to 50 s/div. 11. Peak detect : High-frequency and random glitch capture. Captures glitches as narrow as 12 ns (typical) at all-time base settings from 5 μs/div to 50 s/div. 12. Input sensitivity range : 2mV to 5V/div with calibrated fine adjustment. 13. Education courseware software. 14. Operating temperature : 0 to +50°C



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. _____ (Amount in figures)

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. _____ (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. _____



Annexure 3 (Invitation)

MANUFACTURER AUTHORIZATION FORM

No. _____ dated _____

To

Dear Sir:

Package No. _____

We----- (Name of the OEM) who are established and reputed manufacturer of _____ (*name and description of goods offered*) having factories at _____ (*address of factory*) with factory registration no. --
----- do hereby authorize M/s _____ (*Name and address of Agent*) to submit a bid, and sign the contract with you for the goods manufactured by us against the above bid.

We hereby extend our full warranty as per your invitation letter, for the goods and services offered for supply by the above firm against this Invitation for Bid.

Yours faithfully,

(Name)

(Name of manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer or OEM and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.



Annexure 4 (Invitation)

Confirmation Letter

No. _____

dated _____

To

Dear Sir:

Package No. _____

We confirm that the normal commercial warranty/ guarantee of 36 months shall apply to the offered items and we also confirm to agree with terms and conditions as mentioned in the Invitation Letter.



Yours faithfully,

(Name)

(Name of manufacturers)