



Engineering College, Ajmer

(An Autonomous Institute of Govt. of Rajasthan)

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

INVITATION LETTER

ECA/TEQIP-III/2020/205-214

Package Code: TEQIP-III/2019/RJ/GECA/106

Current Date: 27-Jan.-2020

Package Name: GECA/TEQIP-III /2018-19/EIC- Transducer and
Measurement Lab

Method: Shopping Goods

To,

M/s _____

Sub: Invitation Letter For GECA/TEQIP-III/2017-19//EIC- Transducer and Measurement Lab

Dear Sir,

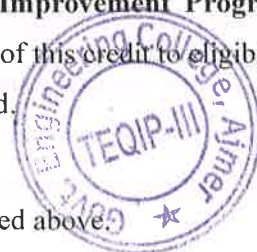
- You are invited to submit your most competitive quotation for the following goods with item wise detailed specifications given at Annexure I,

S. N.	Item Name	Qty.	Place of Delivery	Installation Requirement
1	Current Transformer & Potential Transformer kit (To measure the phase angle and ratio error of CT)	1	Engg. College, Ajmer N.H. 8,Barliya Circle, Near Nareli Temple, Ajmer	Onsite installation and testing & commissioni ng required.
2	Two wattmeter Kit for star connected 3- Phase Load (To measure the power in 3-Phase star connected load by two wattmeter method at different values of load power factor)	1		
3	Single Phase Energy Meter	1		
4	Sensor Trainer Kit	2		
5	Ultrasonic Depth Meter	1		
6	Earth Resistance meter	1		
7	Slide wire potentiometer	1		
8	Crompton Potentiometer	1		
9	Kelvin's Bridge	1		
10	Torque Measurement Kit	1		
11	De-sauty Bridge	1		
12	Anderson Bridge	1		
13	Wien Bridge trainer	1		
14	Water Level Measurement Kit	1		
15	50 MHz Digital storage oscilloscope	1		
16	Two Channel Arbitrary Function Generator	1		

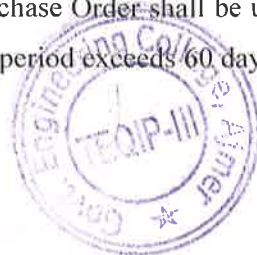
- Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme [TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.

3. Quotation

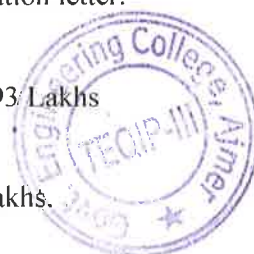
- The contract shall be for the full quantity as described above



- 3.2 Corrections, if any, shall be made by crossing out, initialling, dating and rewriting.
- 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 **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.
63. Incomplete quotation in any regards will not be considered for the evaluation. Vendor is required to submit complete quotation with all relevant documents.
7. The Quotations would be evaluated for all items together.
8. The prices submitted by vendor in quotation will be final and no negotiation for the price and terms and conditions will be entertained.
9. 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.
 - 9.1 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.
 - 9.2 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.
10. Payment shall be made in Indian Rupees as follows:
Satisfactory Delivery & Installation - 90% of total cost
Satisfactory Acceptance - 10% of total cost
11. **Delivery period: 45 days from the date of Purchase Order.**
12. Liquidated Damages will be charged at the rate of 0.66% per day, L.D. Max. 10% 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.



- 13 All supplied items are under warranty of 36 months from the date of successful acceptance of items and AMC/Others.
14. Vendor/bidder must submit two bids concurrently, i.e technical bid and financial bid, with proper marking on envelopes.
- 15 You are requested to provide your offer latest by 10:00 hours on 10-Feb.-2020 , the quotation received within stipulated date and time shall be opened as follows :
- i. Technical Bid at 10:00 AM on 10-Feb.-2020.
 - ii. Financial Bid at 03:00 PM on 10-Feb.-2020.
- 16 Technical bid contains followings:
- i The technical bids should contain the details specifications of items (As per Annexure-1). Any deviation should be highlights in the bid. Compliance sheet of technical specification of evaluation (in the order on given in Annexure-1) should be providing. Compliance Sheet of technical specifications is must.
 - ii Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
 - iii 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 -2. Bids submitted without authorization certificate for each item (excluding services) as per Annexure-2 will be summarily rejected.
 - iv The OEM firm should have the valid ISO 9001:2015 and/or ISO14001:2015 certification as applicable (copies of ISO certificate(s) to be submitted.)
 - v The bidder shall quote only one specific make/model from only specific OEM for each of the goods. Bid will be rejected if bidder provides more than one make/model for an item/good
 - vi Vendor will have to submit an Affidavit on non-judicial stamp paper of Rupees 500.00 mentioning following:
 - a. The average turnover of the bidder quoting for the bid have Rs. 74.0 Lakhs during the last three financial years (2016-2017, 2017-2018 & 2018-2019).
 - b. The bidder has not been blacklisted last five years by Central Govt./State Govt./PSUs/Autonomous bodies.
 - c. Commercial warranty/guarantee of 36 months on all supplied items, and agrees with the terms & conditions mentioned in the invitation letter.
 - vii OEM firm or bidder must have executed at least ;
*One single order of similar items having value of Rs.5.93 Lakhs
(OR)
*Two orders of similar items having value of Rs. 3. 70 Lakhs.



(OR)

*Three orders of similar items having value of – Rs. 2.96 Lakhs.

{Here,*similar means ‘supply and installation of **Transducer and Measurement Lab Equipment / 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 must be submitted.

viii Bidder must submit the latest GST Registration Certificate and copy of latest quarterly GST return.

17. The bidder must submit their financial bid in the prescribed format (Annexure-3) and no other format is acceptable.
18. Training Clause (if any) : **Onsite full training required.**
19. Testing/Installation Clause (if any) **Onsite installation and testing & commissioning required. The vendor should visit the site to understand the installation requirement.**
20. Performance Security shall be applicable: **5% of pre tax billing amount**
21. 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.
22. **Incomplete bids in any regards will be considered unfit and subject to cancelled without any notification. So it is suggested that vendor should submit complete quotation with all relevant documents.**
23. Sealed quotation to be submitted/ delivered having title “**Quotation for Transducer and Measurement Lab**” at the address mentioned below, **Principal, Engineering College, Ajmer, N.H.8 , Barliya Circle, Near Nareli Temple, Ajmer.**
24. We look forward to receiving your quotation and thank you for your interest in this project.

Dr. U. S. Modani
Principal



Annexure I

S. N.	Item Name	Specifications
1	Current Transformer & Potential Transformer kit (To measure the phase angle and ratio error of CT)	<p>"To measure high value of AC Current by a low range AC Ammeter and Current Transformer To measure high value of AC Voltage by a low range AC Voltmeter & Potential Transformer To measure Power using CT & PT To study the effect of CT turns ratio in Current measurement To study PT & CT connection in an electric Circuit for Measurement Mains Supply : 230V \pm10%, 50Hz Variac Input : 230V AC Output : 0-270V AC Current Rating : 5A Ammeter (2 nos.) Display Resolution : 0.01A AC Range Min/Max : 0.1/5A Voltmeter Display Resolution : 1V AC Range Min/Max : 10V/300V Wattmeter Display Resolution : 1W Range Min/Max : 15/1500W Current Transformer CT Ratio : 1:10 Secondary Current Rating : 2A Potential Transformer PT1 : Primary : 230V Secondary : 115 PT Ratio : 1:2 PT2 : Primary : 230V Secondary : 57.5V PT Ratio : 1:4 Rheostat : 220Ω, 2.8A MCB : 2A (SPN)"</p>
2	Two wattmeter Kit for star connected 3-Phase Load (To measure the power in 3-Phase star connected load by two wattmeter method at different values of load power factor)	<p>"The unit consists of various meters, resistive and Inductive load, etc all housed in an elegant powder coated metal cabinet with a well spread intelligently designed layout on front panel. The unit is accompanied with a comprehensive Instruction manual complete with theory, operating details, connection drawings and observation tables.</p> <ul style="list-style-type: none"> • Inbuilt Inductive Load • Facility to configure Star and Delta Load • Control board consist of high grade FRP material to provide utmost safety to the users • Provided with bulb holder to use load externally • Equipped with supply indication lamps • Designed by considering all the safety standards. • Diagrammatic representation for the ease of connections <p>Mains Supply : Three Phase, 415V \pm10%, 50Hz Load : Resistive Load (R) and Resistive-Inductive Load Digital Meters Used Wattmeter : 1500W (2 nos.) AC Voltmeter : 450V AC Ammeter : 5A MCB (TPN) : 10A</p>



3	Single Phase Energy Meter	<p>Three Phase Variac, 10A"</p> <p>"Technical Specifications Single phase kWh Energy meter Inbuilt Voltmeter, Ammeter, Watt meter as Standard meter for calibration of Energy meter Big font LCD (16 x 2) for use as Standard meter/Energy meter calibration</p> <p>Separate Seven Segment Display as Energy meter</p> <p>Digital Calibration/ Operation using Keypad</p> <p>Sockets are provided to Connect External Voltmeter, Ammeter and Watt meter for Calibration</p> <p>Default and User Calibration modes are provided to avoid errors during Operation</p> <p>5 LED Operation Indicators</p> <p>Auxiliary Power Supply : 90 - 270V \pm10%, 50Hz</p> <p>Standard meter</p> <p>Voltmeter Minimum/Maximum : 10/300V</p> <p>Ammeter Minimum /Maximum : 0.1/5A</p> <p>Watt meter Minimum/Maximum : 10/1500W</p> <p>Energy meter Display Resolution : 0.001kWh</p> <p>Frequency : 50Hz Fuse : 250mA (2 Nos.)</p> <p>5A (4 Nos.) and should have external (Watt Meter, Voltmeter and Ammeter Module) and (AC/DC Load</p> <p>Load Range : 0-1.2kW, (in steps of 100W)</p> <p>Load Type : Resistive (Lamp load)"</p>
4	Sensor Trainer Kit	<p>"7" capacitive touch screen LCD with in built processor for viewing the output waveforms, reading the operating manual, tutorial videos etc.; In built DAQ; User can design any circuit on bread board and test; Every Sensor can be interfaced with proper signal conditioning; Characteristic plot of Sensors; USB Port for Keyboard and Pen drive interface; Ethernet Port to connect with real world; On board Graph capture and store; Office tools are inbuilt to view PDF and doc files; Inverting Amplifier ;Non-Inverting Amplifier; Power Amplifier; Current Amplifier; Instrumentation Amplifier; Differential Amplifier; F to V converter : 1KHz -1V 10 KHz -10V V to F Converter : 1V - 1KHz 10V - 10 KHz ;C to V and V to C Converter; A/D Converter : 4 Channel , D/A Converter : 2 Channel High Pass & Low Pass Filter; Unity Gain Buffer; LED, LED Bar Graph & Buzzer Interface; Scientific calculator& HDMI Port</p> <p>A. Temperature sensor: RTD100Ω at 0$^{\circ}$C (Temp.Coefficient0.385 Ω /$^{\circ}$C), NTC: 4.7KΩ, LM35 10mV/ $^{\circ}$C, Thermocouple; K Type Thermocouple : 0$^{\circ}$C to 400$^{\circ}$C</p> <p>B. Optical Sensor: Photo Diode BPX65: 500nm - 1100nm Photo TransistorL14G1 : 500nm-1100nm Photovoltaic Cell : 500mV - 580mv, Light Dependent Resistor,</p> <p>C. Pressure Sensor (SX100DN) Pressure Transducer : 0 - 60 psi, Differential Input Supply Voltage : +5V DC count : 0.01 mm</p> <p>D. Displacement Sensor (LVDT)Measurement range : 20 mm (\pm10 mm) Excitation Frequency : 4 KHz Excitation Voltage: 4 V (approximately) PP Sensitivity: 10 mV DC/ mm; Micrometer Least</p> <p>E. Force Sensor Strain Gauge Strain Gauge (350Ω) : 4 Nos.,Gauge Factor : 2:1,Maximum bearable weight : 500 Gms,Cantilever Material : Stainless Steel, Cantilever Width : 2.5 cms, Cantilever Thickness : 0.16 cms, Cantilever length : 20 cms, Bridge Configuration : Full Bridge, F. Hall Effect Sensor, Hall Effect</p>

		<p>Sensor : WSH315, Sensitivity : 1.5 mV/Gauss G. Capacitive Proximity Sensor, Operating input voltage : +12V DC, Sensor Type : PNP Output voltage : 12V DC, Sensing Range : 0-10 mm, Switch Type : NO Body : Cubical H. Inductive Proximity Sensor, Operating input voltage : 12V DC</p> <ul style="list-style-type: none"> • Sensor Type : PNP • Output voltage : 12V DC • Sensing Range : 0-10 mm • Switch Type : NO <p>Types of Temperature Sensor (K Type Thermocouple)</p> <ul style="list-style-type: none"> • Temperature Range : -260°C to +1370°C • Sensitivity : 41µV/°C <p>Acceleration Sensor Supply Voltage : +5VDC ADC channel (X, Y, Z) : 3 Operating Current : 1ma Zero G output voltage (X,Y,Z) : Idle output is VDD/2 So 3.3V/2=1.65V</p> <p>Flow Sensor</p> <ul style="list-style-type: none"> • Working Voltage : 5V • Max current draw : 5mA at 5V • Working Flow Rate : 1 to 30 Ltr/Minute • Maximum water pressure : 2.0 MPa • Output duty cycle : 50% +-10% <p>Slotted Opto Sensor + Tacho generator</p> <ul style="list-style-type: none"> • DC Motor : +12V DC • Speed Range : 2400 RPM"
5	Ultrasonic Depth Meter	<p>"Ultrasonic Transducer as a distance meter study Ultrasonic Transducer as a proximity switch study Long distances can be measured Buzzer indicator Ultrasonic Transducer : 27 cm to 1.5 meter (approximately) Clock Generator : 40 KHz Amplifier : 60 db Display : Seven segment Threshold detector : 0 to 9 V DC Buzzer Indicator : 5 V DC"</p>
6	Earth Resistance meter	<p>"3-pole Fall-of-Potential earth testing for basic measurements 2-pole resistance measurements for added versatility Easily capture values with single-button operation Ensure accurate measurements with automatic 'noise' voltage detection Hazardous voltage warning offers increased user protection Clearly read and record data with a large, backlit display Rugged holster and design for tough work environments Portable size allows for easy transportation Instantly be alerted to measurements outside of your set limit, when you use the adjustable limit setting Measuring functions 3-pole earth ground resistance, 2 pole ac resistance of a conductor, Interference voltage Intrinsic error Refers to the reference temperature range and is guaranteed for one</p>



		<p>year Measuring rate 2 measurements/second Battery One 9 volt alkaline (LR61) Battery condition LO-BAT is displayed if voltage drops below 6.5 V Voltages Between jacks H/C2 and E/C1: 250 Veff maximum (effective voltage) Between jacks S/P2 and E/C1: 250 Veff maximum Climatic class VDE/VDI 3540 RZ (conforming to KWG as per DIN 40040, 4/87) Temperature performance Working: -10 °C to +50 °C (+14 °F to +122 °F) Operating: 0 °C to +35 °C (+32 °F to +95 °F) Storage: -20 °C to +60 °C (+68 °F to +140 °F) Reference: +23 °C ± 2 °C (+73 °F ± 4 °F) Note: If the tester is not going to be used, or is being stored for a long period, remove the battery and store separately from the tester to avoid damage from battery leakage."</p>
7	Slide wire potentiometer	<p>"Analog Voltmeter : 0-10V Analog Ammeter : 0-1A Potentiometer Wire : Constantan Length : 10m DC Supply (Standard) : 1.016V Variable Resistance : 3-Decade : x0.1Ω, x1Ω, x10Ω Voltage Ratio Factor : 0, 1.5, 15, 30, 150, 300 Total Resistance : 15 kΩ Variable Supply : 0-12 V Mains Supply : 230V ±10%, 50 Hz Fuse : 0.5A Should perform below experiments Study of Standardization of the DC Potentiometer Calibration of Voltmeter using DC potentiometer Calibration of Ammeter using DC potentiometer"</p>
8	Crompton Potentiometer	<p>"Analog Voltmeter : 0-10V Analog Ammeter : 0-1A Potentiometer Wire : Constantan Length : 10m DC Supply (Standard) : 1.016V Variable Resistance : 3-Decade : x0.1Ω, x1Ω, x10Ω Voltage Ratio Factor : 0, 1.5, 15, 30, 150, 300 Total Resistance : 15 kΩ Variable Supply : 0-12 V Mains Supply : 230V ±10%, 50 Hz Fuse : 0.5A Should perform below experiments Study of Standardization of the DC Potentiometer Calibration of Voltmeter using DC potentiometer Calibration of Ammeter using DC potentiometer"</p>
9	Kelvin's Bridge	"KELVIN'S BRIDGE"



		<p>SALIENT FEATURES:</p> <ul style="list-style-type: none"> • Dedicated trainer board for each bridge. • Completely self - contained stand - alone unit. • Demonstrates the principle and working of AC bridges for measurement of resistance. • Supply required 230V, 50 Hz AC. • Built - in IC based DC regulated power supply with short circuit protection and LED indication for supply "ON". • Built - in 1KHz oscillator. • Built - in imbalance amplifier. • Head - phone set for sensitive detection. • Built - in variable arms and multiplier. • Multi - coloured test points at various stages in the circuit to observe waveforms and voltages. • Set of patch cords. • Housed in an elegant cabinet with a well spread intelligently designed circuit layout on the front panel. • Strongly supported by a comprehensive manual complete with theory and operating details."
10	Torque Measurement Kit	<p>"Mains Supply : Three Phase, 415V \pm10%, 50Hz Three Phase Induction Motor Type : Squirrel Cage Rating : 1HP (Also available with 2 HP and 3 HP) Voltage Rating : 415V Speed : 1440 RPM \pm5% Insulation : Class 'B' Loading arrangement : Mechanical Brake Drum/Pulley : Aluminum Casted Digital Meters used Wattmeter : 1500W (2 nos.) AC Voltmeter : 450V AC Ammeter : 5A MCB (TPN) : 10A Digital Tachometer : 20,000 RPM Three Phase Variac, 10A"</p>
11	De-sauty Bridge	<p>"Sine Wave Generator Frequency range : 1kHz \pm10% Amplitude control output : Up to 15Vpp Null detector with audio amplifier and speaker Fuse : 500MA, S/B DPM : 200MV Unknown Capacitor : 0.1μF, 0.22μF, 0.47μF Mains Supply : 90-275V, 50Hz Dimension (mm) : W 345 x D 240 x H 110"</p>
12	Anderson Bridge	<p>"Size of Breadboard : 172.5mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +12V, 500 mA (fixed) -12V, 500 mA (fixed) +12V, 500 mA (variable) -12V, 500 mA (variable) AC Supply : 9V-0V-9V, 500 mA Function Generator : Sine, Square, and Triangular functions</p>

		<p>Frequency range:1Hz to 100KHz In 5 steps (variable in between the steps) Modulation Generator : Sine, Square, and Triangular functions Frequency range:1Hz to 10KHz In 4 steps (variable in between the steps) Continuity Tester : For testing the continuity (provided with beeper sound) Mains Supply : 110-220V \pm10%, 50/60Hz Anderson Bridge application module"</p>
13	Wien Bridge trainer	<p>It should have following 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 Low cost trainer including illustration of Oscillator design using passive elements It should have following Technical Specifications : Biasing Voltage : +12V, -12V DC Design of Oscillators : Passive Experiment that can be performed: Study of design and functioning of Wein Bridge Oscillator</p>
14	Water Level Measurement Kit	<p>"Water Level Controller This has Built-In DC +12V/500mA regulated fixed Power supply, Microcontroller based with timer IC 555 and its associate circuitry of RC network, relay control, input sensors, complete setup with small size water pump motor wired as to control the water level in two steps (minimum & maximum level), Fully automatic, water level indication by LEDs. Complete setup. Features: <input type="checkbox"/> A Schematic diagram printed in multicolor on the front panel of the white acrylic board. <input type="checkbox"/> Complete enclosed in High Quality poly coated imported pine Wooden Box. <input type="checkbox"/> Built-in Fixed / Variable DC Regulated Power Supply. <input type="checkbox"/> Maximum Test Points to study all the corners of the Experiment. <input type="checkbox"/> Equipped with maximum objectives. <input type="checkbox"/> Test Points by 2 mm high quality banana sockets. <input type="checkbox"/> Interconnections by 2 mm high quality banana pins. <input type="checkbox"/> Very Easy for operation. <input type="checkbox"/> Detailed Instruction manual on the line of curriculum. <input type="checkbox"/> Water Level Indicator by LED. <input type="checkbox"/> Fully automatic water controller. <input type="checkbox"/> Water flow Indicator Objectives : <input type="checkbox"/> To Study operation of IC 555 as water level controller circuit. <input type="checkbox"/> To Observe & Note Turn ON & OFF of water Motor & signals w.r.t. change in water level. Instruments Required : Digital Multimeter (DMM). Accessories Included : Water storage tank (2No), Water sensors, Single phase AC Motor 1/2Hp, Water suction pipes, set of patch cords (10 Nos.), Operating / Instruction Manual."</p>
15	50 MHz Digital	"Bandwidth 50MHz, with 4 Analog channels."

	storage oscilloscope	<p>1G Sa/s Real-time Sample Rate on single channel and 500MSa/s(Dual-channel) Vertical Scale 1 mV/div to 10 V/div Time Base Scale 5 ns/div to 50 s/div Memory Depth : 20Mpts Innovative ""UltraVision"" technology and Multi- Levels intensity grading waveform display Waveform Capture Rate : 30,000wfms/s Low noise floor, Dynamic Range: 1mV/div to 10V/div Channel to Channel Isolation : DC to maximum bandwidth: >40 dB Complete Connectivity: USB Host, USB Device, LAN, Aux Output (TrigOut/PassFail) USB Host & Device Compact size, light weight, easy to use Display : 7 Inch TFT WVGA (800x480), multiple intensity levels waveform PVP2150 150 MHz Passive HighZ Probe: 4 sets; Important safety standards and Electromagnetic Compatibility The instrument must comply with International EMC and Safety standards"</p>
16	Two Channel Arbitrary Function Generator	<p>"Frequency Frequency - Sine wave 1μHz to 25MHz. Square Wave 1 μHz to 10 MHz Pulse Waveform 1 μHz to 10 MHz Sampling Rate 125 MSa/s Vertical Resolution -16 bits Output channels- Two channel Harmonics Distortion DC to 10 MHz (included): <-55 dBc 10 MHz to 20 MHz (included): <-50 dBc 20 MHz to 35 MHz (included): <-40 dBcAmplitude(50 Ω) \leq10 MHz: 1.0 mVpp to 10 Vpp \leq30 MHz: 1.0 mVpp to 5.0 Vpp Resolution:-1μHz Wave form:-Sine, Square, Triangle, Ramp, Pulse, Noise PRBS, RS232, Sequence and Arbitrary AM/FM/PM/ASK/FSK PSK/PWM/Sweep/Burst and Built-in high-order harmonic generator (at most 8-order harmonics) Dual channel function – Phase (-180o to +180o) , Tracking, Coupling Duty Cycle control :-0.01% to 99.99% Display:- 4.3 inch TFT LCD Touch Screen Arbitrary Function : Sample Rate 200MSa/sec and Memory 2Mpts Interface : USB Host , USB Device"</p>



Annexure 2 (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.



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. _____



