INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

Aimil Ltd

Naimex HouseA-8, Mohan Cooperative Industrial

Estate,Mathura Road,, New Delhi, New Delhi, 110044

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advance Analog Circuits Development Platform	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Analog lab with high quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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 **30** 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 **36** months from the date of successful acceptance of items. (In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months)
11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**
12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

Sr. No	**Item Name**	**Specifications**
1	Advance Analog Circuits Development Platform	DC Power Supplies: + 5V, 1 A (Fixed), + 12V, 500 mA (Fixed), -12V, 500 mA (Fixed), + 12V, 500 mA (Variable), -12V, 500 mA (Variable). AC Supply: 9V-0V-9V, 500mA. Breadboard: Breadboard for making,Various circuits and testing them.External components/IC can be fitted conveniently. Function generator: Operating modes Sine, Square and Triangular.Frequency range 1 Hz to 100 KHz. Volt/Current/Frequency Measurement: Voltage Range +12V to -12V, Current Range 0 to 500mA,Frequency Range DC to100KHz, (All with respect toGround).PC Interface: Acquisition from twoAnalog input channels (Max. input 1Volt).Continuity Tester: For testing the continuity. Provided with Beeper Sound.Power Supply: 110-220 V ±10%, 50/60Hz. Learning material: CD (Theory, procedure, reference results, etc).Online (optional) with all Accessories
2	Analog lab with high quality Bread Board	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.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 ±10%, 50/60Hz with all Accessories
3	Analog-Digital Circuits Development	Size of Breadboard : 172.5 mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +15V, 1A (fixed) -15V, 1A (fixed) +15V, 200 mA (variable) - 15V, 200 mA (variable) AC Supply : 5V-0V-5V, 10V-0V-10V can be used as 5V, 10V, 15, 20V AC & also as center tap Sine/Square/TTL Generator : 10Hz to 1MHz in 4 steps (variable in between the steps) Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
4	Digital Lab with High Quality Bread Board	Size of Breadboard: 172.5 mm x 128.5 mm.Tie Points on Breadboard : 1685 nos (solderless).DC Power Supplies : 5V, 1A; -5V, 500 mA (fixed),+3V to +15V, 500 mA (variable) -3V to -15V, 500 mA (variable).Pulse Generator: 1Hz to 1MHz in 6 steps (Variable in between the steps).Amplitude: +3V to +15V (CMOS),5V (TTL) Duty Cycle: 50 %, TTL/CMOS output.Pulser Switches: 2 nos (Push to 'On'). Data Switches: 8 nos (Toggle switches-TTL/CMOS output).Bicolor LED Display : 8 nos (TTL/CMOS input).BCD to Seven Segment : 2 nos Display.Logic Probe : Logic level indicator (H/L) for TTL/CMOS mode (7segment display) Mains Supply: 110-220V ±10%, 50/60Hz.
5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit):

		120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

ELAB Engineering

ELAB EngineeringF-197/A, ALPHA-2 GREATER NOIDA

Gautam Budh Nagar 201308India., GREATER NOIDA,

Uttar Pradesh, 201308

Sub: Invitation for Quotations for supply of Goods

Dear Sir,

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3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur	yes

				Road Lucknow 226021	
4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
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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 II** 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.
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   The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

   6.1 are properly signed ; and

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11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**

12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

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		500 mA (variable). AC Supply : 9V-0V-9V, 500 mA. Function Generator: Sine, Square, and Triangular Functions.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 ±10%, 50/60Hz with all Accessories
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		9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit): 120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
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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)
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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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

Electronic Teaching Aid

12 DDA Automobile Centre, Pandav Nagar, mandawali

fazalpur Delhi, Mandawali Fazalpur, Delhi, 110092

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Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

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		(variable in between the steps) Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
4	Digital Lab with High Quality Bread Board	Size of Breadboard: 172.5 mm x 128.5 mm.Tie Points on Breadboard : 1685 nos (solderless).DC Power Supplies : 5V, 1A; -5V, 500 mA (fixed),+3V to +15V, 500 mA (variable) -3V to -15V, 500 mA (variable).Pulse Generator: 1Hz to 1MHz in 6 steps (Variable in between the steps).Amplitude: +3V to +15V (CMOS),5V (TTL) Duty Cycle: 50 %, TTL/CMOS output.Pulser Switches: 2 nos (Push to 'On'). Data Switches: 8 nos (Toggle switches-TTL/CMOS output).Bicolor LED Display : 8 nos (TTL/CMOS input).BCD to Seven Segment : 2 nos Display.Logic Probe : Logic level indicator (H/L) for TTL/CMOS mode (7segment display) Mains Supply: 110-220V ±10%, 50/60Hz.
5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit): 120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of

		CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

Global Systems

C-3 Krishna Nagar, Kanpur Road lucknow, Lucknow,

Uttar pradesh, 226012

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advance Analog Circuits Development Platform	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Analog lab with high quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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 **30** 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 **36** months from the date of successful acceptance of items. (In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months)
11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**
12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

Sr. No	**Item Name**	**Specifications**
1	Advance Analog Circuits Development Platform	DC Power Supplies: + 5V, 1 A (Fixed), + 12V, 500 mA (Fixed), -12V, 500 mA (Fixed), + 12V, 500 mA (Variable), -12V, 500 mA (Variable). AC Supply: 9V-0V-9V, 500mA. Breadboard: Breadboard for making,Various circuits and testing them.External components/IC can be fitted conveniently. Function generator: Operating modes Sine, Square and Triangular.Frequency range 1 Hz to 100 KHz. Volt/Current/Frequency Measurement: Voltage Range +12V to -12V, Current Range 0 to 500mA,Frequency Range DC to100KHz, (All with respect toGround).PC Interface: Acquisition from twoAnalog input channels (Max. input 1Volt).Continuity Tester: For testing the continuity. Provided with Beeper Sound.Power Supply: 110-220 V ±10%, 50/60Hz. Learning material: CD (Theory, procedure, reference results, etc).Online (optional) with all Accessories
2	Analog lab with high quality Bread Board	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.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 ±10%, 50/60Hz with all Accessories
3	Analog-Digital Circuits Development	Size of Breadboard : 172.5 mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +15V, 1A (fixed) -15V, 1A (fixed) +15V, 200 mA (variable) - 15V, 200 mA (variable) AC Supply : 5V-0V-5V, 10V-0V-10V can be used as 5V, 10V, 15, 20V AC & also as center tap Sine/Square/TTL Generator : 10Hz to 1MHz in 4 steps (variable in between the steps) Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
4	Digital Lab with High Quality Bread Board	Size of Breadboard: 172.5 mm x 128.5 mm.Tie Points on Breadboard : 1685 nos (solderless).DC Power Supplies : 5V, 1A; -5V, 500 mA (fixed),+3V to +15V, 500 mA (variable) -3V to -15V, 500 mA (variable).Pulse Generator: 1Hz to 1MHz in 6 steps (Variable in between the steps).Amplitude: +3V to +15V (CMOS),5V (TTL) Duty Cycle: 50 %, TTL/CMOS output.Pulser Switches: 2 nos (Push to 'On'). Data Switches: 8 nos (Toggle switches-TTL/CMOS output).Bicolor LED Display : 8 nos (TTL/CMOS input).BCD to Seven Segment : 2 nos Display.Logic Probe : Logic level indicator (H/L) for TTL/CMOS mode (7segment display) Mains Supply: 110-220V ±10%, 50/60Hz.
5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit):

		120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

HITECH INDIA ENTERPRISES

60 BASEMENT,VijayBlockLaxmi nagar, Delhi, Delhi,

110051

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advance Analog Circuits Development Platform	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Analog lab with high quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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 **30** 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 **36** months from the date of successful acceptance of items. (In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months)
11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**
12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

Sr. No	Item Name	Specifications
1	Advance Analog Circuits Development Platform	DC Power Supplies: + 5V, 1 A (Fixed), + 12V, 500 mA (Fixed), -12V, 500 mA (Fixed), + 12V, 500 mA (Variable), -12V, 500 mA (Variable). AC Supply: 9V-0V-9V, 500mA. Breadboard: Breadboard for making,Various circuits and testing them.External components/IC can be fitted conveniently. Function generator: Operating modes Sine, Square and Triangular.Frequency range 1 Hz to 100 KHz. Volt/Current/Frequency Measurement: Voltage Range +12V to -12V, Current Range 0 to 500mA,Frequency Range DC to100KHz, (All with respect toGround).PC Interface: Acquisition from twoAnalog input channels (Max. input 1Volt).Continuity Tester: For testing the continuity. Provided with Beeper Sound.Power Supply: 110-220 V ±10%, 50/60Hz. Learning material: CD (Theory, procedure, reference results, etc).Online (optional) with all Accessories
2	Analog lab with high quality Bread Board	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.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 ±10%, 50/60Hz with all Accessories
3	Analog-Digital Circuits Development	Size of Breadboard : 172.5 mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +15V, 1A (fixed) -15V, 1A (fixed) +15V, 200 mA (variable) - 15V, 200 mA (variable) AC Supply : 5V-0V-5V, 10V-0V-10V can be used as 5V, 10V, 15V, 20V AC & also as center tap Sine/Square/TTL Generator : 10Hz to 1MHz in 4 steps

		(variable in between the steps) Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
4	Digital Lab with High Quality Bread Board	Size of Breadboard: 172.5 mm x 128.5 mm.Tie Points on Breadboard : 1685 nos (solderless).DC Power Supplies : 5V, 1A; -5V, 500 mA (fixed),+3V to +15V, 500 mA (variable) -3V to -15V, 500 mA (variable).Pulse Generator: 1Hz to 1MHz in 6 steps (Variable in between the steps).Amplitude: +3V to +15V (CMOS),5V (TTL) Duty Cycle: 50 %, TTL/CMOS output.Pulser Switches: 2 nos (Push to 'On'). Data Switches: 8 nos (Toggle switches-TTL/CMOS output).Bicolor LED Display : 8 nos (TTL/CMOS input).BCD to Seven Segment : 2 nos Display.Logic Probe : Logic level indicator (H/L) for TTL/CMOS mode (7segment display) Mains Supply: 110-220V ±10%, 50/60Hz.
5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit): 120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of

		CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

INDIA SCIENTIFIC CORPORATION

INDIA SCIENTIFIC CORPORATIONAshok Rajpath,

Opposite west end of Patna Science College, Patna,

Bihar-800006, Patna, Bihar, 800006

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advance Analog Circuits Development Platform	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Analog lab with high quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur	yes

				Road Lucknow 226021	
4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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 **30** 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 **36** months from the date of successful acceptance of items. (In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months)
11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**

12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

Sr. No	Item Name	Specifications
1	Advance Analog Circuits Development Platform	DC Power Supplies: + 5V, 1 A (Fixed), + 12V, 500 mA (Fixed), -12V, 500 mA (Fixed), + 12V, 500 mA (Variable), -12V, 500 mA (Variable). AC Supply: 9V-0V-9V, 500mA. Breadboard: Breadboard for making,Various circuits and testing them.External components/IC can be fitted conveniently. Function generator: Operating modes Sine, Square and Triangular.Frequency range 1 Hz to 100 KHz. Volt/Current/Frequency Measurement: Voltage Range +12V to -12V, Current Range 0 to 500mA,Frequency Range DC to100KHz, (All with respect toGround).PC Interface: Acquisition from twoAnalog input channels (Max. input 1Volt).Continuity Tester: For testing the continuity. Provided with Beeper Sound.Power Supply: 110-220 V ±10%, 50/60Hz. Learning material: CD (Theory, procedure, reference results, etc).Online (optional) with all Accessories
2	Analog lab with high quality Bread Board	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.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 ±10%, 50/60Hz with all Accessories
3	Analog-Digital Circuits Development	Size of Breadboard : 172.5 mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +15V, 1A (fixed) -15V, 1A (fixed) +15V, 200 mA (variable) - 15V, 200 mA (variable) AC Supply : 5V-0V-5V, 10V-0V-10V can be used as 5V, 10V, 15V, 20V AC & also as center tap Sine/Square/TTL Generator : 10Hz to 1MHz in 4 steps (variable in between the steps)

		Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
4	Digital Lab with High Quality Bread Board	Size of Breadboard: 172.5 mm x 128.5 mm.Tie Points on Breadboard : 1685 nos (solderless).DC Power Supplies : 5V, 1A; -5V, 500 mA (fixed),+3V to +15V, 500 mA (variable) -3V to -15V, 500 mA (variable).Pulse Generator: 1Hz to 1MHz in 6 steps (Variable in between the steps).Amplitude: +3V to +15V (CMOS),5V (TTL) Duty Cycle: 50 %, TTL/CMOS output.Pulser Switches: 2 nos (Push to 'On'). Data Switches: 8 nos (Toggle switches-TTL/CMOS output).Bicolor LED Display : 8 nos (TTL/CMOS input).BCD to Seven Segment : 2 nos Display.Logic Probe : Logic level indicator (H/L) for TTL/CMOS mode (7segment display) Mains Supply: 110-220V ±10%, 50/60Hz.
5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit): 120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51,

		It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

KB & SONS

41/2 CHANDER NAGAR Alambagh LUCKNOW,

LUCKNOW, UTTAR PRADESH, 226005

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advance Analog Circuits Development Platform	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Analog lab with high quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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 **30** 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 **36** months from the date of successful acceptance of items. (In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months)
11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**
12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

Sr. No	Item Name	Specifications
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2	Analog lab with high quality Bread Board	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.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 ±10%, 50/60Hz with all Accessories
3	Analog-Digital Circuits Development	Size of Breadboard : 172.5 mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +15V, 1A (fixed) -15V, 1A (fixed) +15V, 200 mA (variable) - 15V, 200 mA (variable) AC Supply : 5V-0V-5V, 10V-0V-10V can be used as 5V, 10V, 15V, 20V AC & also as center tap Sine/Square/TTL Generator : 10Hz to 1MHz in 4 steps

		(variable in between the steps) Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
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5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit): 120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH
7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of

		CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

M/s Scientech Technologies Pvt. Ltd

94-101,Electronics complex, Pardeshipura, Indore,

Madhya Pradesh, 452010

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
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3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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.

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   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 **30** 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

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7. The Quotations would be evaluated for all items together.
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11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**
12. Detailed specifications of the items are at Annexure I.

13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
15. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
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    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
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Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

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6	SMF Batteries	SMF 12V 26AH
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		CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/92 **09-Feb-2017**

To,

M/s Southern Scientific Instruments

Old no. 4c New no. 5C Ist floor R.K Nagar IInd Main Road, R.A. Puram, Chennai-600028, RA Puram, Chennai, 600028

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	Advance Analog Circuits Development Platform	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Analog lab with high quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Analog-Digital Circuits Development	5	15	Institute of Engineering & Technology, Sitapur	yes

				Road Lucknow 226021	
4	Digital Lab with High Quality Bread Board	5	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	Handheld LCR Meter	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	SMF Batteries	40	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Universal IC Tester	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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 **30** 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 **36** months from the date of successful acceptance of items. (In case of the supplied items do not cover the warranty of 36 months and cover only the warranty of 12 months then you may quote the price to cover the warranty for the extended to 36 months)
11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**

12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

Sr. No	Item Name	Specifications
1	Advance Analog Circuits Development Platform	DC Power Supplies: + 5V, 1 A (Fixed), + 12V, 500 mA (Fixed), -12V, 500 mA (Fixed), + 12V, 500 mA (Variable), -12V, 500 mA (Variable). AC Supply: 9V-0V-9V, 500mA. Breadboard: Breadboard for making,Various circuits and testing them.External components/IC can be fitted conveniently. Function generator: Operating modes Sine, Square and Triangular.Frequency range 1 Hz to 100 KHz. Volt/Current/Frequency Measurement: Voltage Range +12V to -12V, Current Range 0 to 500mA,Frequency Range DC to100KHz, (All with respect toGround).PC Interface: Acquisition from twoAnalog input channels (Max. input 1Volt).Continuity Tester: For testing the continuity. Provided with Beeper Sound.Power Supply: 110-220 V ±10%, 50/60Hz. Learning material: CD (Theory, procedure, reference results, etc).Online (optional) with all Accessories
2	Analog lab with high quality Bread Board	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.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 ±10%, 50/60Hz with all Accessories
3	Analog-Digital Circuits Development	Size of Breadboard : 172.5 mm x 128.5mm Tie Points on Breadboard : 1685 nos (solderless) DC Power Supplies : +5V, 1A (fixed) +15V, 1A (fixed) -15V, 1A (fixed) +15V, 200 mA (variable) - 15V, 200 mA (variable) AC Supply : 5V-0V-5V, 10V-0V-10V can be used as 5V, 10V, 15V, 20V AC & also as

		center tap Sine/Square/TTL Generator : 10Hz to 1MHz in 4 steps (variable in between the steps) Amplitude : Sine wave- 0 to15Vpp Square Wave- 0 to 10Vpp TTL- 5V (fixed) Fixed TTL (Clock) : 0.1Hz Data Switches : 8 nos (Toggle switches) Pulser Switch : 1no LED Display : 8 nos Logic Probe : Logic level indicator H/L for TTL level (7 segment display)
4	Digital Lab with High Quality Bread Board	Size of Breadboard: 172.5 mm x 128.5 mm.Tie Points on Breadboard : 1685 nos (solderless).DC Power Supplies : 5V, 1A; -5V, 500 mA (fixed),+3V to +15V, 500 mA (variable) -3V to -15V, 500 mA (variable).Pulse Generator: 1Hz to 1MHz in 6 steps (Variable in between the steps).Amplitude: +3V to +15V (CMOS),5V (TTL) Duty Cycle: 50 %, TTL/CMOS output.Pulser Switches: 2 nos (Push to 'On'). Data Switches: 8 nos (Toggle switches-TTL/CMOS output).Bicolor LED Display : 8 nos (TTL/CMOS input).BCD to Seven Segment : 2 nos Display.Logic Probe : Logic level indicator (H/L) for TTL/CMOS mode (7segment display) Mains Supply: 110-220V ±10%, 50/60Hz.
5	Handheld LCR Meter	Parameters: L-Q, C-D, R-Q and Z-Q Frequency: 00Hz, 120Hz and 1kHz Accuracy: Basic Accuracy : 0.3% Display: 5 digits display for both primary and secondary Parameters: Measurement Range L: 100Hz, 120Hz,1mH-9999H,1kHz,0.1mH-999.9H C: 100Hz, 120Hz,1pF-9999mF,1kHz,0.1pF-999.9mF R, |Z|: 0.0001O-999.9MO D, Q: 0.0001-9999 D%: 0.0001%-9999% Test Level (Range Auto and Open Circuit): 120 Hz to 1kHz, 0.3Vrms(1 ±15%),100 Hz,0.42Vrms(1±15%) Ranging Mode: Auto and Hold Equivalent Circuit: Parallel and Series Display: Direct, DABS and D% Correction: Open and Short Zeroing Terminals: 5 terminals Comparator: 4 Bins : NG, P1, P2 and P3 Limit Setup Range-?%: -9999%-99999% Nominal: L 0.0001µH-99999H, C 0.0001pF-99999µF, R 0.0001O-99999MO, Z 0.0001O-99999MO Alarm Mode: NG, P1, P2, P3 and OFF Power Supply:9V battery or DC12V (100mA) adapter Low Battery Indication: Approximate 6V Power Consumption-Normal: 25mA (approximate) Auto power-off: 500nA (approximate) Auto Power Off time: 5 m
6	SMF Batteries	SMF 12V 26AH

7	Universal IC Tester	Tests a wide range of Digital IC's such as 74 Series, 40/45 Series of CMOS IC's, It can test Microprocessor 8085, 8086, Z80, 8051, 89c51, It tests Peripherals like 8255, 8279, 8253, 8259, 8251, 8155, 6264,62256,8288,8284, It tests Opamp,555, Transistor Arrays, Analog switches, Opto couplers and Others, It tests 7 segment display of common cathode & common anode type, It has Auto search facility of IC's, Test by: Truth table/sequence table comparison, ZIF: 40 pin DIP ZIF sockets, Keys: 28 cherry keys Key pad with numerical & functional keys, Display: 9 Digit Seven Segment Display, Supply Input Voltage: 230V AC Device Supports

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: _____

INVITATION FOR QUOTATION

TEQIP-II/2016/UP2G02/Shopping/93 **09-Feb-2017**

To,

M/s Technofield solutions

#801,B-2,Bhujabal township,Behind Eklavya

polytechnic,kothrud, pune, maharashtra, 411038

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	Quantity	Delivery Period(In days)	Place of Delivery	Installation Requirement (if any)
1	ASK, FSK, BPSK, DBPSK Modulator & Demodulator	2	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
2	Delta, Adaptive Delta, Sigma Delta Modulator and Demodulator	2	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
3	Four Channel TDM-PCM Transmitter & Receiver	2	15	Institute of Engineering & Technology,	yes

				Sitapur Road Lucknow 226021	
4	PAM, PPM, PWM Techniques and Line Coding Techniques	2	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
5	PCM, DPCM, CVSD Modulator and Demodulator	2	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
6	QPSK, OQPSK, DQPSK Modulator & Demodulator	2	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes
7	Understanding MSK, GMSK, FSK, GFSK, Modulator and Demodulator with AWGN Channel Noise and BER	1	15	Institute of Engineering & Technology, Sitapur Road Lucknow 226021	yes

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 II** 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.
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11. You are requested to provide your offer latest by **16:30** hours on **24-Feb-2017 .**
12. Detailed specifications of the items are at Annexure I.
13. Training Clause (if any) **yes**
14. Testing/Installation Clause (if any) **yes**
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,
    Registrar, Institute of Engg. & Technology, Sitapur Road, Lucknow, UP PIN 226021
17. We look forward to receiving your quotation and thank you for your interest in this project.

Prof Y. N. Singh

Nodal Officer Procurement, TEQIP-II

Annexure I

S.No.	Item Name	Detail Description
1.	**PAM, PPM, PWM Techniques and Line Coding Techniques**	**Modulation & Demodulation** Techniques : PAM PWM PPM Line Coding Techniques **Internal Signal Generator** : Direct Digital Synthesizer Types of Signal : Sine, Square, Triangle, Arbitrary Signals. Frequency : 500Hz, 1KHz, 2KHz, 3KHz **External Signal :** Types of Signal : Sine, Square, Triangle, Arbitrary Signals Maximum Input Voltage : 3Vpp (Max.) +1.5V DC offset Frequency : 500Hz to 3.5KHz **Sampling/Ramp Frequencies** : 1.25KHz, 2.50KHz, 5KHz, 9.80KHz, 19.53KHz, 39.06KHz, 78.13KHz **SMD LED Indicators** : 46 nos for DDS signal selection DDS signal frequency selection Sampling selection Technique Selection Interconnect path **Crystal Frequency** : 20MHz

		Selection Mode : Push switches **Random Data** : 8 Bit/ 16 Bit/ 32 Bit **(For line Coding)** **Data Frequency** : 500Hz, 1KHz, 2KHz, 3KHz **Test Points** : 29 nos. **Low Pass Filter** : Cut-off frequency-5KHz **Power Supply** : 110V - 260V AC, 50/60Hz **Operating Condition** : 0-40 C, 85% RH **Included Contents** : 2mm Patch cord - 2nos
2.	**PCM, DPCM, CVSD Modulator and Demodulator**	**Modulation & Demodulation** **Techniques** : PCM DPCM CVSD **Internal Signal Generator** : Direct Digital Synthesizer Types of Signal : Sine, Square, Triangle, Arbitrary signals Frequency : 500Hz, 1KHz, 2KHz, 3KHz **External Signal** : Types of Signal : Sine, Square, Triangle, Arbitrary Signals Maximum Input Voltage : 3Vpp (Max.) +1.5V DC offset Frequency : 500Hz to 3.5KHz **SMD LED Indicators** : 44 nos for DDS signal selection DDS signal frequency selection Sampling selection Technique selection Interconnect path

		Transmission Effect : Attenuation (7dB & 10dB) Noise Filter **Crystal Frequency** : 8MHz **Sampling Frequencies** : 4KHz, 8KHz, 16KHz, 32KHz **Line Speed** : 32KHz, 64KHz, 128KHz, 256KHz **Selection Mode** : Push switches **Number of Test Points** : 38 nos **Low Pass Filter** : Cut-off frequency-5KHz **Power Supply** : 110V - 260V AC, 50/60Hz **Operating Condition** : 0-40 C, 85% RH **Included Contents** : 2mm Patch cord - 2nos
3.	**Delta, Adaptive Delta, Sigma Delta Modulator and Demodulator**	**Modulation & Demodulation** **Techniques** : Delta : Adaptive Delta : Sigma Delta First order : Sigma Delta Second order **Internal Signal Generator** : Direct Digital Synthesizer Types of Signal : Sine, Square, Triangle, Arbitrary signals Frequency : 500Hz, 1KHz, 2KHz, 3KHz **External Signal** : Types of Signal : Sine, Square, Triangle, Arbitrary signals Maximum Input Voltage : 3Vpp (Max.) +1.5V DC offset Frequency : 500Hz to 3.5KHz **SMD LED Indicators** : 48 nos for DDS signal selection DDS signal frequency selection

		Sampling selection Technique selection Interconnect path **Transmission Effect** : Attenuation (7dB & 10dB) Noise Filter **Crystal Frequency** : 8MHz **Sampling Frequencies** : 16KHz, 32KHz, 64KHz, 128KHz, 256KHz **Integrator step** : Normal & 3 times **Selection Mode** : Push switches **Number of Test Points** : 46 nos (Gold plated). **Low Pass Filter** : Cut-off frequency-5KHz **Digital Filter** : Decimation filter (16:1) **Power Supply** : 110V - 260V AC, 50/60Hz **Operating Conditions** : 0-40 C, 85% RH **Included accessories** : 2mm Patch cord - 2nos
4.	**Four Channel TDM-PCM Transmitter & Receiver**	**Modulation & Demodulation** **Techniques** : Two channel TDM-PCM : Four channel TDM-PCM **Internal Signal Generator** : Four dedicated Direct Digital Synthesizer Generators for each Channel Types of Signal : Sine, Triangle, Arbitrary signal Frequency : 500Hz, 1KHz, 1.5KHz, 2KHz, 3KHz **SMD LED Indicators** : 54 nos for DDS signal selection DDS signal frequency selection Sampling selection Technique selection

		Interconnect path **Crystal Frequency** : 8MHz **Sampling Frequencies** : 8KHz, 16KHz, 32KHz **TDM techniques based on** : Bell lab system **Selection Mode** : Push switches **Number of Test Points** : 40 nos. **Low Pass Filter** : 4nos. Cut-off frequency-5KHz **Power Supply** : 110V - 260V AC, 50/60Hz **Operating Conditions** : 0-40 C, 85% RH **Included accessory** : 2mm Patch cord - 2nos
5.	**ASK, FSK, BPSK, DBPSK Modulator & Demodulator**	**Modulation & Demodulation** : ASK , FSK , BPSK , DBPSK **Techniques** **Internal Data Generator** : Digital data **Data Pattern** : 8-Bit , 16-Bit , 32-Bit , 64-Bit **Frequency** : 2KHz, 4KHz, 8KHz, 16KHz **Internal Carrier Generator** : Direct Digital Synthesized **Carrier Signal** : Sine **SMD LED Indicators** : 24 nos. for Digital data selection, data frequency selection and technique selection **Number of Test Points** : 39 nos.(Gold plated) **Crystal Frequency** : 8MHz **Selection Mode** : Push switches **Power Supply** : 110V - 260V AC, 50/60Hz **Operating Condition** : 0-40 C, 85% RH **Included accessories** : 2mm Patchcord - 1no.

		Power Supply module - 1no
6.	**QPSK, OQPSK, DQPSK Modulator & Demodulator**	**Modulation & Demodulation** : QPSK , OQPSK , DQPSK **Techniques** **Internal Data Generator** : Digital data **Data Pattern** : 8-Bit , 16-Bit , 32-Bit , 64-Bit **Frequency** : 2KHz, 4KHz, 8KHz, 16KHz **Internal Carrier Generator** : Direct Digital Synthesized **Carrier Signal** : Sine, Cosine **SMD LED Indicators** : 25 nos. for Digital data selection, data frequency selection and technique selection **Number of Test Points** : 57 nos. **Crystal Frequency** : 8MHz **Selection Mode** : Push switches **Power Supply** : 110V - 260V AC, 50/60Hz **Operating Condition** : 0-40 C, 85% RH **Included accessories** : 2mm Patchcord - 1no. Power Supply module- 1no.
7.	**Understanding MSK, GMSK, FSK, GFSK, Modulator and Demodulator with AWGN Channel Noise and BER**	Modulations: Continuous Phase FSK (CPFSK), Minimum Shift Keying (MSK), Gaussian Frequency Shift Keying (GFSK), Gaussian Minimum Shift Keying (GMSK) etc. Software programmable data rate up to 10 / 20 /30 10Mbps Software programmable 2, 4, 8 array FSK Software programmable modulation index h (0 to 10) On-board digital data pattern generator as a test pattern Gaussian Filter BT product is BT = 0.3 Built in real-time data acquisition system with time domain signal analysis Additive White Gaussian Noise with Normal distribution up to 4.5 times the standard deviation using Box-Muller algorithm Two channel Additive White Gaussian Noise Generator with 10 bits/sample/channel I & Q Channel DACs-10 bit@ Sampling rate 125 MSPS maximum Anti aliasing low pass filter with 3dB bandwidth of I & Q channel filter: Sallen Key 6-pole Butterworth with cut-off frequency 13MHz BER measurement using actual bit errors with a known digital data test sequence at the transmitter end More than 10nos. of test points and 2 BNC connector for analysis using external Oscilloscope & Spectrum Analyzer Mains Supply : 110-220 V AC, 50/60Hz Operating Conditions : 0-40 C, 80% RH **Included Accessories**

		Power Supply : 1 no. Patch cord : 2 nos. Host to Device USB cable : 1 no. BNC to BNC cable : 2 nos. Power cord : 1 no.

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: _____