

## INVITATION FOR QUOTATION

TEQIP-III/2018/mmug/Shopping/20

04-July-2018

To,

### 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 Fiber Optical Trainer kit.	2	45	MMMUT Gorakhpur	
2	C R O Make ST- 251 (25MHz)	2	45	MMMUT Gorakhpur	
3	Compact Microwave Lab Kit-L Band VX-2010	2	45	MMMUT GORAKHPUR	
4	Fiber Optical Trainer kit.	2	45	MMMUT GORAKHPUR	
5	Hand held digital oscilloscope cum digital multimeter	2	45	MMMUT Gorakhpur	
6	Light Runner kit	2	45	MMMUT Gorakhpur	
7	Microwave test bench	2	45	MMMUT	

				GORAKHPUR	
8	Microwave Work Bench 05 Nos. Klystron mount with base Klystron tube Isolator	2	45	MMMUT GORAKHPUR	
9	Optical Power Meter M- ST- 2551	2	45	MMMUT GORAKHPUR	
10	VSWR Meter Make VS-411 08 Nos.	2	45	MMMUT GORAKHPUR	

2. Government of India has received a credit from the International Development Association (IDA) towards the cost of the **Technical Education Quality Improvement Programme[TEQIP]-Phase III** Project and intends to apply part of the proceeds of this credit to eligible payments under the contract for which this invitation for quotations is issued.
3. Quotation,
  - 3.1 The contract shall be for the full quantity as described above.
  - 3.2 Corrections, if any, shall be made by crossing out, initialing, dating and re writing.
  - 3.3 All duties and other levies payable by the supplier under the contract shall be included in the unit price.
  - 3.4 Applicable taxes shall be quoted separately for all items.
  - 3.5 The prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
  - 3.6 The Prices should be quoted in Indian Rupees only.
4. Each bidder shall submit only one quotation.
5. Quotation shall remain valid for a period not less than **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 - 80% of total cost**

**Satisfactory Acceptance - 20% of total cost**

10. All supplied items are under warranty of **12** months from the date of successful acceptance of items.

1. You are requested to provide your offer latest by **15:00** hours on **8-August-2018** .

2. Detailed specifications of the items are at Annexure I.

3. Training Clause (if any)

4. Testing/Installation Clause (if any)

5. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.

6. Sealed quotation to be submitted/ delivered at the address mentioned below,

17. We look forward to receiving your quotation and thank you for your interest in this project.

(Authorized Signatory)

Name & Designation

**Annexure I**

Sr. No	Item Name	Specifications
1	Advance Fiber Optical Trainer kit.	Two Transmitter Fiber Optics LED having peak wavelength of emission 660nm & 950nm.
2	C R O Make ST- 251 (25MHz)	Horizontal System Sweep time: 0.2uSec~0.5Sec/DIV,20steps in 1-2-5 sequence; Sweep time accuracy:±3% Vernier sweep time control:=1/2.5 of panel-indicated &#118alue; Sweep magnification: 10 times; ×10MAG sweep time accuracy: ±5% (20nSec~50nSec are uncalibrated); Linearity:±5%,×10MAG: ±10% (0.2s~1us) Position shift caused by ×10MAG: within 2DIV. At CRT screen center X-Y MODE: Frequency bandwidth: DC to at least 500KHz; X-Y phase difference:=3°at DC~50KHz Sensitivity: Same as vertical axis. (X-axis:CH1 input signal; Y-axis:CH2 input signal.); CALIBRATION VOLTAGE Waveform: Positive-going square wave;
3	Compact Microwave Lab Kit-L Band VX-2010	Compcat microwave lab kit
4	Fiber Optical Trainer kit.	The trainer kit complete with : Laser diode base optical transmitter . Photo transistor based optical receiver. DC power Supply. IC based Optical drive circuit. Optical transmitter with variable source. Digital power meter ( dBm ) Simple mini optical bench for measurement of NA. Set of optical fiber in different length. Optical connectors. Complete circuit diagram on front panel. Operating & experimental manual.
5	Hand held digital oscilloscope cum	Display: 128 x 64 dot-matrix graphic LCD Viewing area: 60mm x40mm Backlight: White Input Resistance: 10MO Battery: 4 x

	digital multimeter	1.5V AAA battery (Not included) Automatic . Power shortage prompts. Power consumption: less than 20mA. Storage capacity: DMM 100 groups of data, waveform 5 group records. Environment: 0 ° C ~ + 40C; <75% RH Storage conditions: -10C ~ + 60C; <90% RH
6	Light Runner kit	Light Runner kit
7	Microwave test bench	Measurement of guide wavelength and frequency of the signal in a rectangular waveguide. Measurement of VSWR using slotted line. Study of mode characteristics of reflex Klystron and determination of mode number, transit time & electronic tuning sensitivity. Measurement of attenuation using substitution method and plot of attenuation versus frequency characteristics. Study of a ferrite circulator and measurement of isolation, ion loss, cross coupling and input VSWR.
8	Microwave Work Bench 05 Nos. Klystron mount with base Klystron tube Isolator	Measurement of guide wavelength and frequency of the signal in a rectangular waveguide. Measurement of VSWR using slotted line. Study of mode characteristics of reflex Klystron and determination of mode number, transit time & electronic tuning sensitivity. Measurement of attenuation using substitution method and plot of attenuation versus frequency characteristics. Study of a ferrite circulator and measurement of isolation, ion loss, cross coupling and input VSWR.
9	Optical Power Meter M-ST- 2551	Wavelength ( Multimode) 850 nm Optical Power Range ( Multimode) -40 dBm ~ +5 dBm Wavelength ( Singlemode) 1310 nm / 1550 nm Optical Power Range ( Singlemode) 3 Digits -40 dBm ~ +5 dBm Batteries 2 x AAA [1.5V] Resolution ( 3 Digits ) 0.1 dB Accuracy ( 3 Digits ) <+/- 0.3 dBm Fiber Connector Universal Type (Diameter: 2.5mm) Display ( 3 digits ) 3 digits LED Operating Temp. 0?~ 50? Storage Temp. 0?~ 70?
10	VSWR Meter Make VS-411 08 Nos.	<ul style="list-style-type: none"> <li>•Sensitivity: 0.2 micro Volts at a 200 ohm input impedance for full scale deflection.</li> <li>•Noise level: At least 5 dB below full scale at rated sensitivity and maximum bandwidth with input terminated in 100 ohms and 500 ohms for low and high respectively.</li> <li>•Calibration: Square law, meter indicates SWR, dB.</li> <li>•Range: 70 dB input attenuation provides 60 dB in 10 dB steps, accuracy +/- 0.2</li> </ul>

		<p>dB per 10 dB steps maximum cumulative error +/- 0.5 dB. •Scale or: "Normal", "Expand", and "-5dB" •Meter scale: SWR1-4, SWR3-10, expand SWR1-1.3, dB 0-10, expand 0-2 •Gain Control: Adjusts the reference level, variable range 0-10 dB approx. •Input: "Bolo" bias provided for 4.3mA low current bolo meters. "Crystal" 200 ohms for low impedance crystal rectifier and 200 K ohms high impedance crystal rectifier as null detector. •Recorder output: Socket provided for recording having 1 V full scale deflection, Internal resistance of 1000ohms or less. •A/C output: BNC Connector for amplified output. •Input Connector: BNC(F) •Frequency: 1000Hz +/- 10% •Power: 230 Volts AC, 50Hz, mains supply</p>
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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)
<b>Total Cost</b>							

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: \_\_\_\_\_