



INVITATION LETTER

Package Code: CRS/TEQIP-III/2020/UP/mmug/04

Current Date: 20-Feb-2020

Package Name: MUTECCRS04

Method: National Shopping

To,

Sub: INVITATION LETTER FOR MUTECCRS04

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	Item Name	Quantity	Place of Delivery	Installation Requirement (if any)	Required Delivery Time
1	Dual Parallel Mach-Zehnder Modulator	02	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order
2	Modulator Driver	01	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order
3	Photo Detector	01	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order
4	Tunable Laser Source	01	MMMUT, Gorakhpur	Applicable	Within 4 weeks after issuing of Purchase order

2. NPIU-MHRD (Government of India) has received a credit from the International Development Association (IDA) towards the cost of the **Collaborative Research Scheme (CRS)** under 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, initialling, 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 **60**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:

Payment Description	Expected Delivery Period (in Days)	Payment Percentage
Satisfactory Delivery & Installation	30	80
Satisfactory Acceptance	30	20

10. Liquidated Damages will be applied as per the below: Liquidated Damages Per Day Min %: 0.01
Liquidated Damages Max %: 10
11. All supplied items are under warranty of **12** months from the date of successful acceptance of items and AMC/Others is.
12. You are requested to provide your offer latest by **15:00** hours on **16-Mar-2020**.
13. Detailed specifications of the items are at Annexure I.
14. Training Clause: **In-house (MMMUT) training for two days**
15. Testing/Installation Clause: **Complete Installation and demonstration is required for Measurement Setup for Antenna**
16. Certificates of manufactures/authorized dealers/agents must be attached with the quotation.
17. Copy/List of purchase orders of similar equipment/goods supplied to other reputed organizations should be attached with the quotations in support of quoted rates.
18. Should follow Environmental Management System like ISO- 14001:2001 Consistent with the Bidders Environmental Policy. Compliance to Quality Management System like ISO- 9001:200 function effectively by adopting a process approach. Should have adopted Quality, Environment, Health and Safety Policy to meet changing expectations of customers, to use resources in environment friendly manner and to minimize hazards/risks in compliance with occupational health and safety practices.
19. The bidder should not have been blacklisted by central/ state Government/ PSU entity in India or similar agencies globally for unsatisfactory past performance, corrupt, fraudulent or any other unethical business practices as on date of submission of the proposal.
20. The bidder should have a registered number of GST registration certificate from GSTN, where business is located. The bidder should have a registered income tax/ PAN number and must have a clearance status

21. Any deviation from the printed specifications should be clearly mentioned in the offer document by the Bidder.
22. In case the firm decline to offer the specified equipment after receiving the purchase order it will be get blacklisted by the MMMUT and the concerned firm will not be qualified for bidding in future.
23. At least one or more similar nature of work should be executed in any NIT/IIT/Govt. Institutions. Necessary document must be accompanied along with the bid.
24. Successful bidders kindly Provide Performance security @ 10% of the goods cost (where total package cost exceeds Rs. 5 lacs), valid for 1 Year
25. Information brochures/ Product catalogue, if any must be accompanied with the quotation clearly indicating the model quoted for.
26. The OEM should have GAC/GRIHA/IAQ certified products.
27. Company shouldn't be blacklisted in recent years.
28. In order to provide better service to institution, the bidder should have local service setup at Gorakhpur
29. The Bidder should have its own in-house testing facility. Quality Management System as per International Standards. The Bidder shall furnish all such certificates as and when required.
30. Sealed quotation to be submitted/ delivered at the address mentioned below,
The Registrar, M. M. M. University of Technology, Deoria Road, Gorakhpur – 273010
31. We look forward to receiving your quotation and thank you for your interest in this project.
32. Any dispute shall be settled in Gorakhpur Jurisdiction only.

(Authorized
Signatory) Name &
Designation

Annexure I

Sr. No	Item Name	Specifications
1	Dual Parallel Mach-Zehnder Modulator	<ul style="list-style-type: none">• Intensity Modulator• Single/Two RF inputs.• 20 GHz functional bandwidth.• Input optical power of 100mW max.• Operating wavelength from 1520 to 1610 nm.• Insertion loss < 7dB.• Extinction ratio > 25dB.• Optical return loss < -50 dB.• RF input power 20dBm max.• PD responsivity 0.01-0.4 A/W.• S21 bandwidth > 20 GHz.• $V\pi < 4$ V.• RF Port connectors- GPPO Connector.
2	Modulator Driver	<ul style="list-style-type: none">• 3dB S21 Bandwidth > 20 GHz.• Small Signal Gain > 24 dB.• S11 Characteristics > 10 dB.• S22 Characteristics > 10 dB.• RF Gain > 20 dB.• Gain adjustment range > 5 dB.• Input Output Impedance = 50 Ω.• Input VSWR: 1.6 : 1 or better.• Output VSWR: 2 : 1 or better.• RF Bandwidth > 20 GHz.• Maximum Output > 25 dBm.• Noise Figure > 10 dB.• Data Rate > 23 GHz.• Output Amplitude > 10Vp-p.• RF Input / Output connector: SMA(f).
3	Photo Detector	<ul style="list-style-type: none">• Wavelength: 1260 to 1600nm.• Operational Bandwidth: 60KHz to 20GHz or better.• Optical input level: 30mW or better.• Responsivity: 0.85 A/W @1550 nm or better S21.• S21 3 dB bandwidth: 18 GHz or better.• S22 Characteristics: 10 dB @ 20 GHz or better.• Optical Return Loss: 30 dB or better.• 2nd Harmonic Distortion: -70 dBc or better.• Optical PDL @1550 nm: 0.05 dB or better.

4	Tunable Laser Source	<ul style="list-style-type: none">• RF Impedance: 50 Ω.• Optical Connector: FC/APC.• RF Connector: K(f). • Wavelength Range: 1528 to 1567 nm or better.• Wavelength Accuracy: +/- 1.5GHz or better.• Wavelength Resolution: 1 GHz or better.• Output Power: 40 mW or better.• Output Stability: 0.02 dB or better.• Carrier to Noise Ratio: 50 dBc @ -5 dBm or better.• Side Mode Suppression Ratio: 55 dB or better.• Polarization Extinction Ratio: 20 dB or better.• Optical Isolation: 30 dB or better.• Power Supply: 100-240Vac.• Optical Connector: FC/APC.
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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)
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. _____