



भारतीय प्रौद्योगिकी संस्थान (भारतीय खनि विद्यापीठ), धनबाद

धनबाद, झारखण्ड, भारत, पिन-826004

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन राष्ट्रीय महत्व का एक संस्थान)

INDIAN INSTITUTE OF TECHNOLOGY (INDIAN SCHOOL OF MINES), DHANBAD

DHANBAD, JHARKHAND, INDIA, PIN-826004

(An Institute of National Importance under Ministry of H.R.D., Govt. of India)

STORES & PURCHASE SECTION Phone:(0326) 2235678 || Email : purchase@ismdhanbad.ac.in || Website : www.iitism.ac.in

NIT No. ECE-500220-2017-18

Date: 30th August, 2017

NOTICE INVITING TENDER

Subject: Supply & Installation of Fiber Optics Trainer, LASER Trainer and MUX, DEMUX & Encoder, Decoder Trainer Kit.

Indian Institute of Technology (Indian School of Mines), Dhanbad invites quotations for the following to be supplied and delivered in ECE Department.

Sl. No	Description of item(s)	Quantity
1.	Advance Fiber Optics Trainer Kit: <ul style="list-style-type: none"> • Full Duplex Analog & Digital Transmitter/receiver • Single module covering large number of experiments including experiments with Optical Power Meter • 660 nm & 950 nm Fiber Optic LED channel with Transmitter & Receiver • LASER Source (optional) in lieu of LED Source • AM-FM-PWM modulation / demodulation • PC-PC comm. Using two channel RS232 ports & software • Acceptance angle better than 55 degree • Min 40 Test points • Switched faults on Transmitter & Receiver • On board Function Generator • Crystal controlled Clock • Functional blocks indicated on-board • Input-output & test points provided • On board voice link • Numerical Aperture measurement • Bending loss measurement • Data Generator with selectable clock • Noise Generator with variable gain • Eye pattern observation and Bit Error Rate measurement • Four digits Bit Error Counter • Min 2 Year Warranty 	05
2.	LASER Trainer Kit: <ul style="list-style-type: none"> • Selectable Automatic Power control/ Automatic Current control mode • Optical intensity/ Carrier level control facility • Laser diode current and monitor photo detector current monitoring facility • Laser free space communication • Numerical Aperture measurement • On-board Photo detector & Power meter. • Min 2 Year Warranty 	01



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3.	MUX, DEMUX & Encoder, Decoder Trainer Kit: <ul style="list-style-type: none"> • Crystal Controlled Clock • On board Sine wave and Digital Signal Generator • Minimum 4 Analog input channels • Minimum 16 Digital input channels • TDM • Manchester Coding and Decoding • Pulse Position Modulation • It can be used with Fiber Optic & various other Communication Link • Min 2 Year Warranty 	03
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Tender Schedule

Particulars	Date & Time
Last date and time for submission of tenders	26.09.2017 at 3:00 P.M.
Date and time of opening of tenders	26.09.2017 at 4.00 P.M.

1. You are requested to quote your lowest rates for the supply of above items in the attached format for Financial Bid (Annexure – I)
2. Clarification(s) sought after the prescribed date shall not be entertained.
3. You may send your representative in the office of the undersigned at the scheduled date and time of opening of tender.
4. Tender should be submitted in sealed cover only superscribed with Enquiry No. and due date at the following address only:

The Deputy Registrar (P&S)
Indian Institute of Technology (Indian School of Mines),
Dhanbad – 826 004, Jharkhand

Terms & Conditions

- 1) The rates should be quoted for each item separately.
- 2) Conditional offer will not be accepted.
- 3) IIT (ISM) Dhanbad does not issue any Form 'C' or 'D' towards sales tax concessional rate. Hence, full rate of GST applicable should be quoted.
- 4) **Educational discount**, if any, should be clearly mentioned.
- 5) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 6) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 7) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **2 years onsite warranty**.
- 8) Each page in the bid document must be numbered properly and duly signed & sealed by the bidder on every page of the bid.



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- 9) **The items/ materials shall be required to be delivered at ECE Department/ Section through Purchase & Store Section, IIT (ISM) Dhanbad** at the risk and cost of the tenderer.
- 10) Unloading and installation shall be the complete responsibility of the supplier.
- 11) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 12) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 13) **Advance payment is not admissible.** Payment shall normally be made within 3-4 weeks subject to receipt and acceptance & installation (as per Purchase Order Terms) of the ordered materials/items.
- 14) In the event date on which the tender is opened for acceptance is declared to be a holiday, the tenders shall be deemed to remain open for acceptance till the next working day.
- 15) Please send your offer by Regd.Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM) Dhanbad working hours only (i.e. Monday to Friday). *Late or delayed tenders shall be summarily rejected.*
- 16) Any other information that you may like to obtain, you are free to contact IIT (ISM) Dhanbad before submission of tender.
- 17) IIT (ISM) Dhanbad reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Deputy Registrar



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Annexure - I

Format for Financial Bid

NIT No.: ECE-500220-2017-18

Dated: 30.08.2017

Bidders Ref: No.

Dated:

GSTIN:

Subject: Supply & Installation of Fiber Optics Trainer, LASER Trainer and MUX, DEMUX & Encoder, Decoder Trainer Kit.

Sl. No.	Full Description of Items (With HSN Code/ SAC Code)	Qty.	Rate	Amount
			Packing & Forwarding (if any)	
			Total	
			GST(if any)	
			Freight (if any)	
			Installation (if any)	
	Amount should be in figure as well as word		Grand Total	

Note:

- 1) All the details must be provided as per prescribed format only
- 2) Prices quoted by the bidders should include GST, HSN Code, SAC Code, duties, livies, transportation cost and insurance costs etc. if any
- 3) All the rates must be quoted in Indian Rupees.