



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@iitism.ac.in || Website : www.iitism.ac.in

No.: ECE-INS-309-18-19

Date: January 22, 2019

Corrigendum I

Subject: Extension of last date and time of submission and opening of bid towards supply and installation of **Electro Optic Modulator (Intensity Modulator) with driver**

Reference: NIT No. ECE-INS-309-18-19 dated 24.12.2018

Sl. No.	Particular	Amended as
1	Last date and time for submission of tenders	06.02.2019 at 1:00 P.M.
2	Date and time of opening of tenders	06.02.2019 at 3:00 P.M.

The others contents and terms & conditions of the tender is as attached.

Assistant Registrar (P&S)



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NOTICE INVITING TENDER

Subject: Supply and installation of Electro Optic Modulator (Intensity Modulator) with driver

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

S. No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of Electro Optic Modulator (Intensity Modulator) with driver (Detailed Specification is given in Annexure – I)	1	At the Earliest

Tender Schedule

Particulars	Date & Time
Bid Security or Earnest money deposit	Rs. 7,000.00
Last date and time for submission of tenders	18.01.2019 06.02.2019 at 1:00 P.M.
Date and time of opening of tenders	18.01.2019 06.02.2019 at 3.00 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 – II)
2. You may send your representative in the office of the undersigned at the scheduled date and time of opening of tender.
3. Tender should be submitted in sealed cover only superscribed with Enquiry No. and due date at the following address only:

The Assistant Registrar (P&S)

Indian Institute of Technology (Indian School of Mines),

Dhanbad – 826 004 Jharkhand



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Terms & Conditions

- 1) The rates should be quoted for each item separately.
- 2) Conditional offer will not be accepted.
- 3) IIT (ISM) does not issue any Form 'C' or 'D' towards sales tax concessional rate.
- 4) ***Bid Security or Earnest money deposit (EMD)***: should be submitted in form of A/c payee demand draft drawn in favor of Registrar, IIT (ISM) Dhanbad and payable at any other bank/branch located in Dhanbad.
- 5) Successful bidder has to submit performance bank guarantee @ 10% of total order value of the purchase order.
- 6) ***Educational discount***, if any, should be clearly mentioned.
- 7) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 8) Your tender must be valid for **minimum 90 days** from the date of opening of tender.
- 9) Please mention warranty/ guarantee in your offer clearly. Material/ equipment to be supplied must have minimum warranty/guarantee of **12 months**.
- 10) *Each page in the bid document must be numbered properly* and duly signed & sealed by the bidder on every page of the bid.
- 11) **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.
- 12) Unloading and installation shall be the complete responsibility of the supplier.
- 13) IIT(ISM), Dhanbad is entitled for Excise Duty Exemption under Govt. of India notifications and is registered with DSIR, Govt. of India for this purpose. This may be taken into consideration while quoting minimum possible rate. Exemption Certificates can be issued in favour of manufacturers only, if it is mentioned in the bid. It will not be issued any Indian Agent/dealer or distributor at any circumstances. IIT(ISM) will provide only custom duty exemption certificate for availing concessional custom duty. IIT(ISM) will not pay any extra custom duty other than duty exemption certificate.
- 14) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 15) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 16) ***Advance or part payment is not admissible***. Payment shall normally be made within 4-6 weeks subject to receipt and acceptance & installation of the ordered materials/items and submission of bills, PBG, followed by its verification etc. (as per Purchase Order Terms).
- 17) 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.
- 18) Please send your offer by Regd.Post/ Speed Post/ Courier along with Courier receipt. Tender/ quotation will be received during IIT (ISM) working hours only (i.e. Monday to Friday). ***Late or delayed tenders shall be summarily rejected***.
- 19) No interim queries will be entertained.
- 20) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.



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Annexure - I

Technical Specifications:

Input optical power	100 mW max.available
Operating wavelength	>1525
Insertion Loss	4.0 dB typ. ; 4.5 dB max.
Extinction Ratio	>24 dB
Optical return loss	≤45 dB
S21 Bandwidth (RF Port)	20 GHz typ.
S11 Return Loss (RF Port)	≤ -10 dB
V _π (RF Port)	6.0 V typ.
RF Input power	27 dBm max.
Impedance (RF Port)	50 Ω typ.
V _π (Bias Port)	< 5 V, DC
Impedance (Bias Port)	>1 MΩ
Input Connector	FC/APC
Output Connector	FC/APC
Material	LiNbO ₃

Driver:

Output Amplitude	7.5 V _{p-p} typ.
Output Power	26 dBm typ.
RF Gain	≥19 dB, variable
Gain Control Range	5 dB min.
RF Impedance	50 Ω
Input Range	500 mV to 1.5 V
Input VSWR	1.6:1 typ.
Output VSWR	2.0:1 typ.
Output Coupling	AC Coupled
RF Connectors	Input: SMA Female Output: SMA Male
Electrical Connectors	4-pin Molex
Warranty Period and Condition	1 year or more Price of item should be Quoted in Indian Rupees (INR)



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Annexure - II

Format for Financial Bid

NIT No.: ECE-INS-309-18-19

Date:

Bidders Ref: No.

Date:

GSTIN No.:

Subject: Supply & Installation of Electro Optic Modulator (Intensity Modulator) with driver

Sl. No.	Full Description of Items with (HSN Code/SAC Code)	Qty.	Rate	Amount
		Packing & Forwarding (if any)		
		Total		
		GST		
		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.