



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. EE/INS/161/18-19

Date: 21 August 2018

NOTICE INVITING TENDER

Subject: Supply & Installation of 2-Channel, 70 MHz Digital Storage Oscilloscope and 4-Channel, 50 MHz Digital Storage Oscilloscope

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

S No	Full Description of items/ store	Qty	Delivery
1	Supply & Installation of 2-Channel 70 MHz Digital Storage Oscilloscope (The bidder should be submit the relevent technical literature indicating the detail technical specification of the indented item with circuit diagram and operating principle)	10 Nos.	At the Earliest
2	Supply & Installation of 4-Channel, 50 MHz Digital Storage Oscilloscope (The bidder should be submit the relevent technical literature indicating the detail technical specification of the indented item with circuit diagram and operating principle)	04 Nos.	

Tender Schedule

Particulars	Date & Time
Bid Security or Earnest Money Deposit	Rs. 10,000.00 (Ten Thousand Only)
Last date and time for submission of tenders	18.09.2018 at 1:00 P.M.
Date and time of opening of tenders	18.09.2018 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 – 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 Deputy 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. Hence, full rate of sales tax/VAT, GST applicable should be quoted.
- 4) Since IIT(ISM) Dhanbad is an Indian Institute of Technology and subject item will be used for research, hence benefit of reduced rate of GST should be considered if applicable.
- 5) **Educational discount**, if any, should be clearly mentioned.
- 6) You are requested to submit your quotation strictly as per the specifications mentioned in the NIT.
- 7) Earnest Money Deposit (EMD): Should be submitted in form of A/C payee demand draft drawn in favor of Registrar, IIT(ISM) and payable at Dhanbad.
- 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 EE 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) The stores are required to be delivered within 30 days. Late delivery may not be accepted.
- 14) The items offered should be of good quality confirming to BIS standards, wherever applicable.
- 15) Successful bidders will have to submit Performance Security (PBG) in the form of Bank Guarantee as per the Purchase Order before releasing payment.
- 16) **Advance payment is not admissible.** Payment shall normally be made within 30-45 days subject to receipt and acceptance & installation of the ordered materials/items PBG and other documents.
- 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 sealed 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) Any other information that you may like to obtain, you are free to contact IIT (ISM) before submission of tender.
- 20) IIT (ISM) reserves the right to accept and/or to reject any/ all tenders without assigning any reason.

Assistant Registrar



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Annexure-I

Technical Specification for Supply & Installation of 2-Channel, 70 MHz Digital Storage Oscilloscope and 4-Channel, 50 MHz Digital Storage Oscilloscope

Design Specifications:

Parameters	Values
Bandwidth	70MHz
No. of channels	02
Sampling Rate	Real time 1GS/s max.
Equivalent Sample Rate	25GS/s max.
Display	At least 5.6" TFT Color LCD Display
Modes	Main, Window, Zoom, Roll, X-Y etc.
Vertical Resolution	8 bit or more
Vertical Range	2mV – 10V/divn.
Horizontal Range	1nS/divn - 50S/divn.
Important Features	Add/Subtract/Multiply, Autoset, FFT, Zoom FFT, Data logging facility etc
Save & Recall	Upto 15 setups and 15 sets of waveform can be saved & recalled
Record Length	2M points or more.
Communication Interface	Must have USB, Host & Device
Mains input	100 – 240V, AC 1- ph., 50Hz
Accessories	Must be provide 02 nos. of 1:1/1:10 switchable probes, software, USB cable, manual etc.

2) 4-Channel, 50 MHz Digital Storage Oscilloscope

Design Specifications:

Parameters	Values
Bandwidth & Channel	50MHz
No. of Channels	4 channel
Sampling Rate	Real time 1GS/s (max)
Waveform Update rate	50,000 waveforms per second
Record Length	Upto 10Mega points Max (1K,10K,100K,1M, 10M selectable)
Display	7" TFT Color LCD Display , Visual Persistence Oscilloscope to display less frequently Occurred Signals
Horizontal range	5nS/Divn. to 100S/divn.
Vertical range	1mV/divn. to 10V/divn.
Important Features	(each channel should have independent volt/divn. control) Add/Subtract/Multiply/Divide waveforms, 1MPts. FFT Frequency Domain Signal display, FFTrms, Zoom FFT, data-logging facility.
Accessories	Mains cord, 4 x 1:1/1:10 switchable probes, USB cable, CD with driver software, USB cable, manual etc



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Annexure - II

Format for Financial Bid

NIT No.: EE/INS/161/18-19

Date: 21 August 2018

Bidders Ref: No.

Date:

GSTIN No.:

Subject: Supply & Installation of 2-Channel and 70 MHz Digital Storage Oscilloscope

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) Price basis must be FOR IIT(ISM) Dhanbad only.
- 2) All the details must be provided as per prescribed format only.
- 3) Prices quoted by the bidders should include all local taxes, VAT, service tax, GST, HSN Code, SAC Code, livies, transportation cost and insurance costs etc. if any
- 4) All the rates must be quoted in Indian Rupees.