

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH

THIRUVANANTHAPURAM [IISER-TVM]

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Date: 12th January 2015

INVITATION TO TENDER(IND)

No: IISER/PUR/5214/14

Due Date: 27th January 2015 (4PM)

Date of Opening: 28th January 2015 [3PM]

Dear Sirs,

Sub: Supply of **Digital Multimeter**


We invite Sealed Tenders for the following items:

Sl #:	Item/ Description	Qty
1.	DIGITAL MULTIMETER [SPECIFICATIONS AS PER ANNEXURE I]	12 Nos

Please quote your lowest rate and shortest delivery period. Your offer in sealed cover **SUPERSCRIBING TENDER NUMBER AND DUE DATE** shall reach us on or before the due date and time. Please follow strictly the "Instructions to Tenderers attached".

Thanking You,

Yours Faithfully


22/1/15
K. BHASKARA RAO
Deputy Registrar
[Purchase & Stores]
IISER TVM

P.S: CATALOGUE/LEAFLET FEATURING ALL TECHNICAL SPECS/INFORMATION OF THE PRODUCT QUOTED SHALL ACCOMPANY THE OFFER.

Digital Multimeter

Specifications:

- Power : Double, standard 1.5V battery. AAA 7# battery.

DC Voltage

- Range : 400mv – 1000 V
- Accuracy : $\pm(0.5\% + 4d)$
- Resolution: 0.1mv – 1V

AC Voltage

- Range : 4V – 750 V
- Accuracy : $\pm(0.8\% + 10d)$
- Resolution : 1mV – 1V

Resistance.

- ❖ Range: 400 Ω - 40M Ω
- ❖ Accuracy: $\pm(0.8\% + 5d)$
- ❖ Resolution : 0.1 Ω - 10k Ω

DC Current

- Range : 400 μ A – 10A
- Accuracy : $\pm(1.0\% + 10d)$
- Resolution : 0.1 μ A – 10mA

AC Current

- Range : 400 μ A – 10A
- Accuracy : $\pm(1.5\% + 10d)$
- Resolution : 0.1 μ A – 10mA

Capacitance

- Range : 4nF - 200 μ F
- Accuracy : $\pm(2.5\% + 20d)$
- Resolution : 1pF – 100nF

Frequency

- Range : 100 Hz – 30 MHz
- Accuracy : $\pm(0.5\% + 10d)$
- Resolution : 0.01 Hz – 1KHz

Diode

Forward DC Current approx.. 0.5ma. Reversed voltage approx. 1.5V

Continuity Test

Buzzer sound if resistance between terminals V/ Ω and COM is less than about $70 \pm 30\Omega$
Open circuit voltage : 0.5 V

Transistor hFE Test

- Range : hFE NPN or PNP
- Displaying Value : 0 ~ 1000
- Test condition : Base current approx.. 15 μ A Vce approx. 1.5V

Temperature

- Range : (-20 -1000) $^{\circ}$ C
- Displaying Value : $<400^{\circ}$ C $\pm (1.0\% + 5d)$
 $\geq 400^{\circ}$ C $\pm (1.5\% + 15d)$
- Test Condition : 1 $^{\circ}$ C


Deputy Registrar
[Purchase & Stores]

IISERTVM
INSTRUCTIONS TO TENDERERS [INDIGENOUS].

1. Tenders should be sent in sealed envelopes superscribing the relevant tender no. and the due date of opening. Only one tender should be sent in each envelope.
2. Late tender and Delayed Tenders will not be considered under any circumstances.
3. Sales Tax and /or other duties/levies where legally levies and intended to be claimed should be distinctly shown separately in the tender.
4. (a). Your quotation should be valid for a minimum period of 60 days from the date of opening of the Tender. Quotation with firm prices will be preferred.
(b). Prices are required to be quoted according to the units indicated in the Invitation to Tender. When quotations are given in terms of units other than those specified in the tender form, relationship between the two sets of units must be furnished.
5. **(a) Preference will be given to those tenders offering supplies from ready stocks. The basis of delivery is at IISER site free of cost.**
(b) Our payment terms are within 30 days of receipt and acceptance of the item at our site.
6. (a) All available technical literature, catalogues and other data in support of the specifications and details of the items should be furnished along with the offer.
(b) Samples, if called for, should be submitted free of all charges by the tenderer and the IISER shall not be responsible for any loss or damage thereof due to any reason whatsoever. In the event of non-acceptance of tender, the tenderer will have to take back the samples at his own expense.
(c) Approximate net and gross weight of the items offered shall be indicated in your offer. If dimensional details are available the same should also be indicated in your offer.
(d) **Specifications:** Stores offered should strictly conform to our specifications. Deviations, if any should be clearly indicated by the tenderer in their quotation. The tenderer should also indicate the Make/Type number of the stores offered and provide catalogues, technical literature and samples, wherever necessary along with the quotations. Test Certificates wherever necessary should be forwarded along with supplies. Whenever specifically mentioned by us the tenderer could suggest changes to specifications with appropriate reasons for the same.
7. IISER shall be under no obligation to accept the lowest or any tender and reserves the right of acceptance of the whole or any part of the tender or portion of the quantity offered and the tenderers shall supply the same at the rates quoted.
8. Corrections, if any, in the Quotation must be attested. All amounts shall be indicated both in words as well as in figures. Where there is difference between amounts quoted in words and figures, amount quoted in words shall prevail. Quotation must have price for each line item and totaling of the price including taxes and duties should be clearly mentioned.
9. The tenderer should mention the name of his bankers, Sales Tax Registration, PAN number etc in the tender.
10. The authority of the person signing the tender, if called for, should be produced.
11. The purchaser reserve the right to accept or reject the lowest or any other offer in whole or in part without assigning any reason.
12. IISER being a Govt of India Educational and Research Institute, is exempted from payment of Excise Duty under Notification No. 10/97 and Customs Duty under Notification No. 51/96- Customs dated 23rd July 2009. Also, we can issue Form 16 as per VAT Rules.
13. The stores supplied should be covered with minimum of 1 year warranty from the date of supply, installation and commissioning.
14. There is no EMD or Tender Cost.


12/11/15
DEPUTY REGISTRAR