



PONDICHERY UNIVERSITY, PUDUCHERRY – 605 014
(A central University)
DEPARTMENT OF ASTRO PHYSICS

Sealed tenders are invited under single bid system for purchase of Digital Storage Oscilloscope 100MHz, with built in functional generator. The tenders duly signed and sealed should be submitted in the name of The Registrar, Pondicherry University to the address below. The tenders should be sent by Post (Speed / Registered / Courier) only. The price quoted should include all the costs such as delivery, installation, testing etc., and also inclusive of all taxes. Warranty terms should be explicitly specified in the tender. The technical specifications are given below.

Last date for receiving Tender is 17.09.2012 at 3.00 p.m.

Sl.No.	Name of the item	Description
1	Digital Storage Oscilloscope 100MHz	Bandwidth:100MHz Channels: 4 Max. Sample Rate: 2 GSa/s half-channel interleaved, 1 GSa/s per channel Maximum memory depth (record length): 100 kpts half-channel, 50 kpts per channel, Display: 8.5-inch WVGA with 64 levels of intensity grading Waveform update rate: 50,000 waveforms/s External trigger input : Included on all models Vertical resolution : 8 bits Horizontal resolution 2.5 ps Vertical sensitivity (range): 1 mV/div to 5 V/div DC vertical accuracy : \pm [DC vertical gain accuracy + DC vertical offset accuracy + 0.25% full scale] DC vertical gain accuracy : \pm 3% full scale (\geq 10 mV/div); \pm 4% full scale (< 10 mV/div) DC vertical offset accuracy : \pm 0.1 div \pm 2mV \pm 1% of offset setting Vertical zoom : Ability to scale and position a live or stopped waveform vertically. When the acquisition is stopped, turning the vertical scale and offset (position) knobs will scale and move the signal. Pan and zoom redraws the form in < 100 ms. Maximum input voltage : CAT I 300 Vrms, 400 Vpk; transient overvoltage 1.6 kVpk CAT II 300 Vrms, 400 Vpk with N2862A or N2863A 10:1 probe: 300 Vrms

		<p>Position range/offset : 1 mV to 200 mV/div: ± 2 V</p> <p>200 mV to 5 V/div: ± 50 V</p> <p>Bandwidth limit : 20 MHz selectable</p> <p>Input coupling : AC, DC</p> <p>Input impedance: $1\text{ M}\Omega \pm 2\%$</p> <p>Time base range: 5 ns/div to 50 s/div</p> <p>Time base accuracy : 25 ppm ± 5 ppm per year (aging)</p> <p>Δ Time accuracy (using cursors) : \pm (time base accuracy* reading) \pm (0.0016 * screen width) ± 100 ps</p> <p>Dynamic range : (± 8 divisions from center screen)</p> <p>Horizontal zoom (modes): Horizontally expand or compress a live or stopped waveform</p> <p>Operating Voltage: 220V/50Hz</p> <p>Inter face: USB 2.0 or higher</p> <p style="padding-left: 40px;">IEEE 488.2 GPIB</p> <p style="padding-left: 40px;">10/100 Box T LAN</p> <p style="padding-left: 40px;">RS232/UART</p> <p>With built in functional generator</p>
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Dr. K. Porsezian)
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 Puducherry 605 014

TERMS AND CONDITIONS

I. General Information:

- a) **Last date and time of receipt of the Tender:** 17.09.2012; 3.00 p.m.
- b) **Tender Document fee** Rs. 100/-
- c) **EMD rates:** Rs. 5000/.
- d) Quoting merely the lowest price does not confer any right to any bidder for award of supply order. The University's Purchase Committee, reserves the right to select the equipment any bid under the grounds of specification compliance, technologically advanced quality, proven performance track record, brand reputation, service backup support & training, offer of additional / special features, Compatibility with the existing System, etc.
- e) DD for Tender Document Fee and EMD should be taken separate and submitted along with your Tender
- f) The Tender must be submitted along with the stipulated Tender document fee and EMD in the sealed cover, super-scribing "**Tender for Minor Equipment – Department of Astrophysics**". The name and address of the bidder should also be mentioned at the "From address" space.
- g) The Tender should be addressed and posted to the following address by speed, registered post or by courier.

**The Registrar
Pondicherry University
PUDUCHERRY – 605 014**

- h) Tenders will not be accepted through fax / e-mail.
- i) **Opening of tender will be held on 17.09.2012** at 03.30 p.m. at the Executive Hall, Pondicherry University

II. Common Conditions (Import or Indigenous)

1. Purchase of Tender Document:

The Tender document can be downloaded from the University website www.pondiuni.edu.in or procured from the Pondicherry University on payment of fee as specified above, by means of a D.D, drawn in favor of **the Finance Officer, Pondicherry University, payable at Puducherry**. The downloaded application should be accompanied with the Tender document fee, in the form of a Demand Draft.

2. Price Schedule

The rates should be quoted for a single unit and also for the total quantity required by the University. The price should include the Delivery, installation, training charges, etc. at the respective Department, Pondicherry University. The prices quoted shall remain firm until the Equipment is supplied to the respective Department, Pondicherry University.

3. Quoting the Core price & Tax, Duties, Discount etc.

The taxes / duties / discounts, if applicable, are to be explicitly and separately shown in the bid.

4. Eligibility:

The firm must have the requisite domain expertise with regard to supply, installation and post-sale service of the items they are quoting. The firm should have been in existence for at least six years as on the date of this Tender and must have executed at least three orders for this kind of Equipment) during the last three years.

5. Duty Exemption

The University has been granted the benefit of exemption from the payment of the Central Excise Duty and Customs Duty by the Department of Scientific and Industrial Research (DSIR), India, vide their Notification No.10/97, dated 01-03-1997 and No.51/96 dated 23.07.96 respectively, in respect of

- a) Scientific and technical instruments, apparatus, equipment, Software including computers.
- b) Accessories and spare parts of goods specified in (a) above and consumables.
- c) Computer software, compact disks, CD ROM, Recording magnetic tapes, microfilms, micro-chips etc.
- d) Prototypes.

Customs duties at Indian port, if any, will be to the account of the University.

6. Technical Specifications

- i. **WARRANTY:**

The Equipment covered under the purchase order, when installed, shall be warranted for the quality, workmanship, trouble free operation and performance for a period of at least 36 months (**preferably 3 years**) from the date of putting the system into operation at the Department of Physics, Pondicherry University, or at least 42 months from the date of receipt of the last lot of the consignment.
 - ii. If any item covered under warranty fails, the same shall be replaced free of cost including all the applicable charges including shipping cost both ways.
 - iii. Complete technical specifications of the Equipment including the Operating system to be included in the bid.
 - iv. The necessary service support should be provided by Bidder during the agreement period.
 - v. The training should be provided by the supplying companies .
 - vi. Operating Manual should be provided in English.
 - vii. A recent customer list (within last five years) with contact details including email address is to be submitted with technical bids / bids as the case may be.
 - viii. If the Equipment is proprietary a product, a proprietary product certificate should be enclosed.
 - ix. The Equipment must operate at 230V / 50 Hz single phase and / or equivalent three phase electrical power.
 - x. **The validity of the each quotation should be at least for THREE MONTHS from closing date.**
 - xi. The offers will not be considered if received after the bid closing date and time.
 - xii. The offers received through telex / tele-fax / e-mail will not be accepted by the University under any circumstances.
 - xiii. The University shall not be responsible for any delay / loss or non-receipt of the Tender by post / courier service.
 - xiv. No unsolicited correspondence shall be entertained after the submission of the offer.
 - xv. If an order is placed with the firm, the purchase shall be governed by an agreement as per the University rules in force at the time.
 - xvi. Additional terms and conditions will be incorporated in the purchase order, if needed, to safe guard the interests of the University.
 - xvii. Tender is not transferable.
 - xviii. In case of any dispute in respect of the Tender, all legal matters shall be instituted within the jurisdiction of the place where the purchaser ordinarily reside
- 7. Power to reject the offer:**

- i. Pondicherry University reserves the right to accept / reject any offer in full or in part or accept any offer other than the lowest offer without assigning any reason thereof. Any offer containing incorrect and incomplete information shall be liable for rejection.
- ii. No Agency commission will be paid to any authorized agent in India.
- iii. Liquidated damages: Timely supply of the ordered items, installation, commissioning (wherever is applicable) and training etc. is the essence of the contract. In case of failure to supply within the time specified in the Purchase order, a penalty / LD of 0.5% of the total value per week or a part thereof shall be levied subject to a maximum of 7.5% in respect of items which are not supplied. The decision of Pondicherry University shall be final in this regard.
- iv. Bidder(s) must be authorized business partners of Global / National service providers of the respective Equipment.
- v. The Bidders must enclose authorization letter from the respective global / national service providers of the above said Equipment particularly mentioning an undertaking that in case of default by the Bidder, they (Global Service Provider) shall take over all the responsibilities of the Bidder.
- vi. The Bidder should not be involved in any Bankruptcy filing for protection from it.

III. Specific Conditions for Imported Equipments

1. Payment of EMD:

The Quotation must be accompanied by EMD as stated above, by means of a Demand Draft, drawn in favor of ***The Finance Officer, Pondicherry University, payable at Puducherry.*** *The Small Scale units are exempted from payment of EMD provided they enclose the proof of their exemption Certificate issued by the competent authority.*

2. Payments terms:

Normally a payment 90% will be released after the installation & training. However, 100% payment will be released **if the supplier provides Bank Guarantee** towards performance Security for the 10 % of the total cost of the furnace to cover the warranty period. Bank charges in India shall be borne by the purchaser and outside India shall be borne by the contractor / supplier. The offer must be in English. The rates should be indicated both in figures and words against item specified in the given table. It is preferable that the price be quoted in US Dollars or in major foreign currencies.