

Department for Ocean Engineering  
Indian Institute of Technology Madras  
Chennai 600036

Ref: OE/2017/inslab/003/sas  
Due date: 8/September/2017

Date: 24/August/2017

- 1 Quotations are invited in duplicate for the various items shown in Enclosed list.
- 2 The Quotations duly sealed and super scribed on the envelope with the reference No. and due date, should be addressed to the undersigned so as to reach him on or before the due date stipulated above.
- 3 Quotations should be valid for 90 days from the due date and period of delivery required, warranty terms etc. should also be clearly indicated. A minimum of two years warranty is required.
- 4 Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.
- 5 Compliancy certificate is to be provided indicating conformity to the technical specifications.
- 6 If the item is under DGS&D Rate contract No. and the price must be mentioned. It may also please be indicated whether the supply can be made direct to us at the Rate contract price (Please note that we are not Direct Demanding Officers). If so please send cggopy of the RC.
- 7 Relevant literature pertaining to the items quoted with full specifications (and drawing, if any) should be sent along with the Quotations, wherever applicable. Samples / machine/ equipment if called for should be submitted / demonstrated at free of charges, and collected back at the supplier's expenses.
- 8 The rate of sales / General Taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for Sales / General Taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have concessional Sales Tax applicable to non Government Educational Institutions run with no profit motive for which a concessional Sales Tax Certificate will be issued at the time of final settlement of the bill.
- 9 Imported supplies should be quoted for CIF Madras.
- 10 IIT Madras is exempt from payment of Excise Duty and is eligible for concessional rate of custom duty. Necessary certificate will be issued on demand. IIT Madras will make necessary arrangements for the clearance of imported goods at the Airport/Seaport. Hence the price should not include the above charges.
- 11 Local firms to quote for free delivery to this Institute. If quoted for Ex-Godown delivery charges be indicated separately.
- 12 Packing, delivery and installation charges must be clearly indicated.
- 13 Goods should be supplied carriage paid and insured.
- 14 Goods shall not be supplied without an official supply order.
- 15 Payment: Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.
- 16 Delivery and installation at IIT Madras must be done by the vendor.
- 17 Acceptance and Rejection: - I.I.T. Madras has the right to accept the whole or any part of the Tender or portion of the quantity offered or reject it in full without assigning any reason.
- 18 After **qualifying the eligibility criteria<sup>##</sup> and specification, the quotation will be considered.**



Yours faithfully  
Prof.S.A.Sannasiraj

**## Eligibility criteria**

1. After Sales and Service facility should be in Chennai 2. O E M or authorized distributor only. The distributor should have atleast 5 years of selling/dealing the items

डा. स.अ. सन्नसिराज/ Dr. S.A. Sannasiraj  
प्राध्यापक एवं अध्यक्ष / Professor and Head  
समुद्र अभियांत्रिकी विभाग  
Department of Ocean Engineering  
आई.आई.टी. मद्रास / IIT Madras  
Chennai - 600 036 भारत / India





**Name of the instrument: Dual Channel Digital Storage Oscilloscope**  
**Quantity – 10 Nos.**

**70 MHz Digital Storage Oscilloscope**

#	Parameter	Specifications
1	Bandwidth	70 MHz
2	No. of channels	2
3	Sample rate	1GSa/s
4	Record length	2.5K points on all channels
5	Vertical resolution	8 bits
6	Time base range	2.5ns to 50s/div
7	Automated measurements	34
8	Direct access buttons for FFT and SW apps	Should be available. Should have direct button to do FFT over the signal.
9	Triggers	Edge, Pulse, Video and external
10	Password protected auto-set enabling/disabling	Should be available
11	Frequency counter	Should be available - dual channel with 6 digit resolution
12	Integrated courseware feature	Should be available. It should be built in the scope itself and to be displayed on scope display.
13	Lab Report generation	Should be available
14	Display	7 inches WVGA TFT color display
15	Noiseless Operation	Fan-less and noiseless operation should be available
16	GPIB interface	Optional
17	Warranty	5 years
18	Manufacturers presence in India	Manufacturers should have their direct office in India. Franchise or Representative office is not accepted.
19	Service and Warranty Support- Service Center should be in South India	Manufacturer should have their direct Service and Warranty Support- Service Center, which should be operational for the past five years.
20	Manufactured by Original Company	Original company should manufacture the product.

**Note:**

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**The sealed quotation to be sent to:**

*Prof.S.A.Sannasiraj,  
Head,  
Dept. of Ocean Engineering, IIT  
Madras, Chennai-600036, Tamil  
Nadu, India*

**With kind attention: Prof.S.A.Sannasiraj / M.Sanathanam**

**For any technical details you may contact**

**M.Sanathanam**

Email: [san@iitm.ac.in](mailto:san@iitm.ac.in) or [sant2000@yahoo.com](mailto:sant2000@yahoo.com)