

Department for Ocean Engineering
Indian Institute of Technology Madras
Chennai 600036

Ref: OE/2017/inslab/002/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^{##} and specification, the quotation will be considered.**


Yours faithfully
Prof.S.A.Sannasiraj
डॉ. 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

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

Name of the instrument: Dual Channel Arbitrary Function Generator

Quantity – 10 Nos.

25 MHz, Dual Channel Arbitrary Function Generator		
	Parameter	Specifications
1	Frequency Range	DC to 25MHz
2	No. of Channels	2
3	Built-in Waveforms	Sine, Square, Pulse, Ramp, Noise, and 45 frequently used arbitrary waveforms
4	Sine Wave Frequency in CW & Burst	25MHz
5	Reference Stability	± 1 ppm
6	Aging	± 1 ppm
7	Resolution	14 bits
8	Amplitude Range @ 50 Ω load	1 mVp-p to 10 Vp-p, 50 Ω load
9	Amplitude Range @ High Impedance Load	2 mVp-p to 20 Vp-p on both channels
10	Impedance setting	50Ω, High Z & Load
11	Harmonic Distortion	< -50 dBc, 1 Vp-p, 1 μHz to 25 MHz
12	THD	< 0.2% (10 Hz to 20 kHz, 1 Vp-p)
13	Spurious	< -45 dBc, 1 Vp-p, 1 μHz to 25 MHz
14	Modulation supported	AM, FM, PM, FSK
15	Operation	Continuous, Sweep, Burst
16	It should have in built Frequency Counter.	
17	Frequency Counter Channel	2
18	Frequency Range	100 mHz to 200 MHz
19	Frequency Resolution	6 digits
20	In-built Memory	64-MByte internal non-volatile memory for arbitrary waveform storage
21	Screen Size	3.95" TFT LCD display
22	Software Support	It should have support for the software.
23	Warranty	3 Years
24	Manufacturers presence in India	Manufacturers should have their direct office in India. Franchise or Representative office is not accepted.
25	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.
26	Manufactured by	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.Santhanam

For any technical details you may contact

M.Santhanam

Email: san@iitm.ac.in or sant2000@yahoo.com