

**Indian Institute of Technology, Kanpur
Department of Physics**

Enquiry no.: IITK/PHY/378
Enquiry date: 11/09/2013
Closing date: 25/09/2013

Sealed Quotations are invited for:
 Acoustio- Optic Modulator and AOM Driver, with the following specifications.

1. A. O. Modulator Qty. 03
 Specifications:

Aperture Size	Greater or equal to 1mm active aperture
Spectral Range	At least 450-> 1.5 μ m
Standard Operating Wavelengths	Special A/R coatings around 800 nm
Interaction Medium	Lead Molybdate (PbMoO ₄)
Centre Frequency (CF)	80MHz
RF Bandwidth:	➤ 30MHz
Input Impedance	50 Ω Nominal
VSWR	<1.5:1 @ 80MHz
DC Contrast Ratio	>1000:1 min
AR coating	780nm

2. Analog Modulator Driver Qty. 03
 Specifications:

Output impedance	50 Ω Nominal
Load Mismatch VSWR:	2:1 Max
RF On-Off Ratio	>40dB
Centre Frequency (CF)	80MHz
Rise Time	<6 ns
Analog Input:	0 - 1V * for 100% depth of modulation 50 ohm input impedance
Frequency Accuracy:	\pm 0.01%
Frequency Stability	\pm 0.01%
DC Power Input	+15Vdc regulated to \pm 1%, < 400mA
Temperature Range:	0°C to 60°C ambient, temperature at Mounting face must not exceed 60°C.
Mounting Orientation:	Any

Note: Driver should be compatible with the A O Modulator.

Terms and conditions:

Quote should be made in two parts: Technical bid and Financial quotes **separately in sealed envelopes.**

Financial quotes for the product whose technical bid is not acceptable will not be opened. **Any quote with the financial quote included in the technical bid will be summarily rejected.**

The sealed envelopes with the quotes should be superscribed with the Inquiry number and whether it is a technical or financial bid.

The delivery period should be specifically stated.

Quotes should be made options for the either of the following delivery modes

- Ex-works for pickup by our world-wide transport provider
- FOB in country of origin
- CIF, New Delhi
- For delivery to IIT Kanpur

Maximum educational discounts should be applied – this equipment will be used for research as well as teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to:

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