

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

Enquiry no.: IITK/PHY/SG/102

Enquiry date: 8/11/2016

Closing date: 29/11/2016

Sealed Quotations are invited for Acousto- Optic-Modulators (AOM) and AOM Driver, with the following specifications.

1. A. O. Modulator Qty. 05

Specifications:

Aperture Size	1mm active aperture
Standard Operating Wavelengths	.442-> 1.5mm
Interaction Medium	Lead Molybdate (PbMoO ₄)
Acoustic Velocity	3.63mm/ μ s
Centre Frequency (CF)	80MHz
RF Bandwidth:	30MHz
Input Impedance	50 Ω Nominal
VSWR	<1.5:1 @ 80MHz
DC Contrast Ratio	>1000:1 min (>2000:1 typical)
AR coating	780nm(Special A/R coatings to 1.5mm)

2. Analog Modulator Driver Qty. 05

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

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

Terms and conditions:

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

Financial bids for the product whose technical bid is not acceptable will not be opened. Any quote with the financial bid 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:

Dr. Saikat Ghosh
Department of Physics
Indian Institute of Technology, Kanpur
Kanpur – 208 016, India
Email: gsaikat@iitk.ac.in,
Ph: +91-512-259 6971
Fax: +91-512-259 0914