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16 SEP 2013

Inquiry No.: IITK/PHY/SAR/16 SEP 2013/NCONS-1

We invite sealed quotations for **Acousto optic modulator (AOM) with driver for amplitude modulation** with the following specifications or better. Kindly send the quotations to reach me on or before 07 October 2013.

**Quantity: 1 no.** for each wavelength specified below.

**Specifications for the Acousto-Optic Modulator**

| | |
|---|---|
| Standard Operating Wavelengths: | 1064 nm and 532nm (Single broadband AOM that works for both wavelengths is acceptable) |
| AR coating | Required |
| Beam diameter: | 2mm |
| Source type: | Laser (700 ps pulses at 1-100 kHz repetition rate) |
| Maximum laser power handling required: | 400kW peak power, 200 microjoule pulses.<br>20 W average power maximum. |
| Polarization state: | linear |
| Modulation type: | Amplitude modulation (0 - 80% minimum is required) |
| Rise time: | 1 microsecond |
| Modulator type: | digital |
| RF Bandwidth: | 20-200MHz |

Note: Driver should be compatible with the A O Modulator. **Driver should be interface-able and controllable by a computer through labview programmes**. Note that quotes for the AOM without a proper driver will not be considered.

Please note the following essential points while preparing the quotation.
Quote should be made in two parts: Technical bid and Financial bid separately in sealed envelopes.

Financial bids for products whose technical bid is not acceptable will not be opened. Any quote where the financial bid is 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.

Any technical bid wherein only the above specified points are copied and no details about the suppliers own system are given will be summarily rejected. The supplier should necessarily give all the specifications of their own system with pictures and technical literature about their system.
If the product is proprietary, a proper certification to that effect must be made.

Authorization certificate from the Principal manufacturer should accompany the technical bid.

Firms submitting acceptable technical bids may be invited to make a technical presentation on the product to the Purchase committee in case technical clarifications are required before opening of the financial bids. The committee may choose to reject the bids of firms not making the presentation at its discretion.

Quotes should be made with options for the following delivery modes
• Ex-works for pickup by our Institute transport provider
• FOB/FCA in country of origin
• CIF, New Delhi
• For delivery to IIT Kanpur

Maximum educational discounts should be applied – apart from research, this equipment will be used to teach and train students.

Quotes should have a minimum validity of 60 days

Address the quotations to
Prof. S. Anantha Ramakrishna
Department of Physics
Indian Institute of Technology Kanpur
Kanpur – 208016 India.
so as to reach us before the last date, i.e., 07 October 2013

Sincerely

S. Anantha Ramakrishna