

**Department of Optoelectronics, University of Kerala, Kariavattom,  
Thiruvananthapuram, Kerala, India – 695581, Ph: 91 471 2308167**

**Quotation Re-Notification**

OPTO/P-09a/2018-19

Quotations are invited for the following items in the Department of Optoelectronics, University of Kerala, Kariavattom, Thiruvananthapuram

**Item 1**

**LASER LINE FILTERS WITH MOUNT**

**1. He-Cd Laser line filter**

- Center Wavelength –  $441.6 \pm 2$  nm
- Full Width Half Maximum –  $10 \pm 2$  nm
- Peak Transmission Minimum – 60 %
- Blocking – 200 to 1150 nm
- Diameter – 1 inch
- With mount, post, post holder and base

**2. Nd-YAG Laser line filter**

- Center Wavelength –  $532 \pm 2$  nm
- Full Width Half Maximum –  $10 \pm 2$  nm
- Peak Transmission Minimum – 70 %
- Blocking – 200 to 1150 nm
- Diameter – 1 inch
- With mount, post, post holder and base

**3. He-Ne Laser line filter**

- Center Wavelength –  $632.8 \pm 2$  nm
- Full Width Half Maximum –  $10 \pm 2$  nm
- Peak Transmission Minimum – 70 %
- Blocking – 200 to 1150 nm
- Diameter – 1 inch
- With mount, post, post holder and base

**4. Argon laser line filter**

- Center Wavelength –  $488 \pm 2$  nm
- Full Width Half Maximum –  $10 \pm 2$  nm
- Peak Transmission Minimum – 65 %
- Blocking – 200 to 1150 nm
- Diameter – 1 inch
- With mount, post, post holder and base



## Item 2

### BEAM STEERING DEVICE- 2 Nos

- With 40cm long post and base compactable with vibration free table
- With 25 mm diameter mirrors
- 10 mm vertical translation
- Lead screw for tilting
- 360° rotations with lock
- +/- 2.5° tilting

## Item 3

### GERMANIUM PHOTODETECTOR

- Wavelength Range : 700 - 1800 nm
- Power Range : 50 nW - 40 mW
- Detector Type : Ge Photodiode
- Linearity :  $\pm 0.5\%$
- Resolution : 2 nW
- Measurement Uncertainty :  $\pm 5\%$
- Coating/Diffuser : Absorptive ND (Schott NG9)
- Head Temperature Measurement : NTC Thermistor 4.7 k $\Omega$
- Active Detector Area : 9.7 mm x 9.7 mm
- Cable Length : 1.5 m

## Item 4

### PLASTIC CLAD SILICA (PCS) OPTICAL FIBER

- Wavelength - 300 nm to 900 nm
- Step Index
- Multimode
- Core diameter - 800 micrometre
- Length - 5 meter

The price may clearly indicate applicable tax, packing, forwarding and handling charges (if any) separately. The firms who wish to supply the item are requested to submit the quotation in sealed cover to the undersigned not later than 4:30pm on 20.02.2019. Quotations will be opened at 10:30 am on next working day (21.0.2019) in the presence of the suppliers or their authorized agents.

05.02.2019



Associate Professor & Head  
Associate Professor & Head  
Department of Optoelectronics  
University of Kerala, Kariavattom P.O  
Thiruvananthapuram-695581