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

Item No.1: Nd: YAG rods with following diameters and Nd concentrations
a) Nd: YAG rods with diameter 3mm, length 108 mm with different Nd concentrations namely 0.65%, 0.7%, 0.75%, 0.8% (quote for 1 rod with each Nd concentration, total 4 Nos.)
b) Nd: YAG rods with diameter 4mm, length 108 mm with different Nd concentrations namely 0.65%, 0.7%, 0.75%, 0.8% (quote for 1 rod with each Nd concentration, total 4 Nos.)
c) Nd: YAG rods with diameter 3mm, length 114 mm with different Nd concentrations namely 0.65%, 0.7%, 0.75%, 0.8% (quote for 1 rod for each Nd concentration, total 4 Nos.)
d) Diameter 4mm, 114 mm length with Nd concentrations namely, 0.65%, 0.7%, 0.75%, 0.8% (quote for 1 rod for each Nd concentration, total 4 Nos.)

Item No. 2: BK7 make front mirror (Output Coupler) of diameter 19.05mm, thickness 9.525nm
Qty – 5Nos.
laser damage threshold ≥ 15 J/cm² operating wavelength -1064 nm with following Reflectivity R=95 %, 90 %, 85 %, 80%, 75% (one number each for each reflectivity)

Item No. 3: Back Mirror (High reflection mirror) of diameter 19.05mm, thickness 9.525nm
with Reflectivity R=99.98% for 1064nm, Laser Damage Threshold ≥ 15 J/cm² and operating wavelength: 1064 nm

Item No.4: Brewster window (polarizer) with aperture size 3mm.
Item No.5: Flow tubes for Nd: YAG rod and arc lamp (Doped with Samarium, Cerium).

Item No.6: Beam expander with input beam size 1 mm, expansion ratio-1:8 (variable) and operating wavelength-1064nm.

Item No.7: Quarter wave plate -Qty- 2 nos. (1 each for operating wave length-1064 & 980nm respectively)
Material- Quartz single crystal, Laser damage threshold- better than or equal 15Jouls /cm² and clear aperture 15mm, diameter 25.4mm, thickness – 7.8mm

Item No.8: Half wave plate - Qty- 2 nos. (1 each for operating wave length-1064 & 980nm respectively)
Material- Quartz single crystal, Laser damage threshold- better than or equal 15Jouls /cm² and clear aperture 15mm, diameter 25.4mm, thickness – 7.8mm

Item No.9: Polarizer - Quantity-2 nos.
Material- Calcite, Operating wave length- 350nm- 2300nm region, Laser damage threshold- better than or equal 15Jouls /cm² and clear aperture 15mm, outer diameter 25mm

Item No.10: Polarizing cube beam splitter- 1 no.
Operating wave length – 700-1100nm, Clear aperture- 90%.

The firms who wish to supply the items are requested to submit the quotation in sealed cover to the undersigned on or before 10.01.2014. The costs for different items are to be shown separately in the quotation.

10.12.2013

[Signature]  
Professor & Head
Department of Optoelectronics
University of Kerala, Kariavattom
Thiruvananthapuram - 695 558