Quotation Notice

Quotation invited for optical/electrical components for the fabrication of Diode pumped Solid State Laser suitable with following specifications.

Specifications for optical components of diode pumped Nd:YAG laser operating in both CW and pulsed mode.

- CW Power (multimode)-15W
- Q-Switched power at 10 KHz-10-12W
- Pulse width range: 20 ns -60 ns
- Beam Diameter 0.8 mm
- Polarization Aspect Ratio 1:100

**Item No.1**: BK 7 High reflection mirror (Back Mirror) with 25 mm diameter, 6mm thickness and laser damage threshold >15 J/cm² with reflectivity 99.98 % at 1064 nm (Total 4 nos.) with suitable mechanical mounts.

**Item No.2**: BK 7 Output Coupler mirror with 25 mm diameter, 6 mm thickness and laser damage threshold >15 J/cm² with different reflectivities namely 95%, 90 %, 85 %, 80 %, 75 % at 1064 nm (Total 5 nos.) with suitable mechanical mounts.

**Item No.3**: BK7 45° rectangular mirror of 25 mm diameter and 2 mm thickness with high reflectivity at 808 nm and angle of incidence= 45°, high transmission at 1064 nm and angle of incidence= 45° (Total 4 nos.) with suitable mechanical mounts.

**Item No.4**: BK7 45° rectangular mirror of 25 mm diameter and 2 mm thickness with high reflectivity at 1064 nm and angle of incidence= 45°, high transmission at 808 nm and angle of incidence= 45° (Total 4 nos.) with suitable mechanical mounts.

**Item No.5**: Nd: YAG rod of 5 mm diameter and 16mm length (with heat sink for water cooling) with different Nd concentrations namely 0.6 %, 0.75 %, 0.7 %, 0.8 %, 0.85 %, 0.9 %, 0.95 % (Total 7 nos.)

**Item No.6**: BK7 Plano convex lens of 25.4 mm diameter, AR at 808 nm and laser damage threshold >15 J/cm² with various focal lengths namely 25mm (8 nos.), 20 mm (8 nos.) and 50 mm (8 nos.) with suitable mounts.

**Item No.7**: BK7 Plano convex lens of 25.4 mm diameter, AR at 976 nm and laser damage threshold >15 J/cm² with various focal lengths namely 25mm (8 nos.), 20 mm (8 nos.) and 50 mm (8 nos.) with suitable mounts.

**Item No.8**: Brewster Window with aperture of 3 mm (2 nos)

**Item No.9**: SESAM mirror (2 nos)

**Item No.10**: IR Diffuser Plate (material glass) with laser damage threshold >15 J/cm² and 5 cm diameter (Total 3 nos).

The firms who wish to supply the items are requested to submit the quotation in sealed cover to the undersigned on or before 24.12.2013.

04.12.2013

[Signature]