

Dear Representative,

Kindly send your best quotation for the following item with various accessories on C.I.P. Bangalore basis to the undersigned. Your quotations should clearly indicate the terms of delivery, delivery schedule, entry tax, payment terms etc. The tender should be submitted in two separate sealed envelopes: one containing the technical bid and the other containing the commercial bid, both of which should reach the undersigned, duly signed on or before 1700 hours, January 31, 2019. The technical bid must include details of technical specifications of the equipment along with commercial terms and conditions; however the price components should NOT be shown.

The commercial bid must include the price of the item indicating the break-up of the following:

- (i) The price of the goods quoted on C. I. P. (Bangalore)
- (ii) The charges for insurance and transportation from warehouse to IISc warehouse.
- (iii) The agency commission charges if any
- (iv) The installation, training and commission charges, if any.

Please enclose a compliance certificate along with the technical bid.

Terms and conditions:

1. The vendor should have an extensive track record of having previously supplied similar equipment in India.
2. The vendor should have qualified technical service personnel for the equipment based in India.
3. The payment would be through letter of credit with 80% LC payment against dispatch of documents and 20% after installation and commissioning of items.
4. At least 1 year warranty from the date of installation.

Both documents should be addressed to:

The Chairman,  
Solid State and Structural Chemistry Unit,  
Indian Institute of Science  
Bangalore 560012.

Please deliver or mail both sealed quotations to:

Vivek Tiwari,  
Solid State and Structural Chemistry Unit,  
Indian Institute of Science  
Bangalore – 560012.

**Instrument Name and description: Tunable Repetition Rate Femtosecond Laser**

**Specifications of the system**

- Water-cooled system
- Tunable repetition rate from single shot upto 1MHz or greater
- At least two pre-calibrated repetition rates – 1 MHz, and 100 or 200 kHz
- Pulse energies at 1MHz  $>8 \mu\text{J}$
- Integrated AOM based pulse picker for pulse selection, pulse picker leakage  $<2\%$
- Central wavelength between 1030-1040 nm with compressed pulses at output, Fourier transform limited pulse durations of  $<400$  fs
- Beam quality (TEM00):  $M^2 < 1.2$
- Exit beam diameter between 2 - 2.5 mm
- Beam divergence  $< 1\text{mrad}$  at specified central wavelength
- Output power stability  $<1\%$  RMS over all repetition rates for  $> 24$  hours
- Pulse to pulse stability  $<2\%$  RMS over all repetition rates for  $> 24$  hours
- Pre-Pulse contrast ratio  $>200:1$
- Polarization: Linear (S or P polarized) with polarization ratio  $>100:1$
- Appropriate hardware and software accessories needed for functioning – laser chiller with coolant, computer with software interface, beam tubes, compatible power meter with sensor, etc. must be provided.
- No further accessories (except for laser tables and power outlets) must be required for instrument functioning.