

Tender Notification for the procurement of a one-box, widely tunable, ultrafast oscillator laser for optical imaging and spectroscopy at IISc (Last Date for submission of tenders: 4th June' 2020)

REF: PH/ASIN/328/2020-21

8th May, 2020

Dear Sir/Madam,

Kindly send lowest quotation for the following items on **C.I.P. Bangalore basis**. The quotation should clearly indicate the terms of delivery, delivery schedule, E.D., transportation charges, if any, 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 us, duly signed on or before 4th June, 2020 by post or in-person.

Please enclose a compliance certificate along with the technical bid.

Specifications of Item: one-box, widely tunable, ultrafast oscillator laser with the following specifications:

1. Pulse-width < 100 fs (at 800 nm)
2. Power > 2.5W (at 800 nm), > 1.3 W (at 710 and 920 nm), > 0.5 W (at 690 nm), > 0.3 W (at 1040 nm)
3. Tuning range 690-1040 nm (or larger tuning range).
4. Repetition rate 80 MHz or similar.
5. Integrated pump laser.
6. Automated tuning of wavelengths using computer control.
7. Appropriate computer software. Additionally, Lab-View compatibility and appropriate sub-VI files.
8. Tuning speed > 25 nm/second.
9. Spatial mode TEM₀₀, with $M^2 < 1.1$ or lower.
10. Astigmatism < 10%
11. Beam pointing stability < 80 μ rad/100 nm.
12. Polarization- 500:1 or better.
13. Output power noise ~ 0.2%, stability ~ 1% or better.
14. All appropriate air/water cooling units for laser should be included.
15. Operating voltage: 220 VAC, 50Hz.
16. Related accessories such as necessary software, connectors, adapters, cables, power meters, etc. necessary for independent operation of the laser should be included.
17. Installation should be performed on site.
18. 1 year warranty from date of installation.
19. The vendor should have a track record of having previously supplied at-least five similar equipment (pulsed lasers with similar specifications and/or pulse widths < 140fs) in India (please furnish the details). It would be desirable to provide 2-3 reference letters from customers in India.

Options (please quote separately):

1. Please quote for additional 1 year warranty (for a total of two years).
2. Please quote for additional 2 years warranty (for a total of three years).

3. Please quote for yearly annual maintenance contract (AMC).

Terms and conditions:

1. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
2. The payment will be through confirmed irrevocable Letter of Credit.
3. The lead time for the delivery of the equipment should not be more than 6-8 months from the date of receipt of our purchase order.

Yours Sincerely,



Akshay Singh
Assistant Professor
C2-03, Department of Physics
Indian Institute of Science
Bangalore 560 012, INDIA
Phone: +91 98701-27569
email: aksy@iisc.ac.in