

Global Tender Notification for the procurement of a diode laser

The Indian Institute of Science (IISc), Bangalore, seeks the supply of a diode laser for a 3D bioprinter. The technical specifications, including terms and conditions, are provided below. The last date of submitting quotes is mentioned below.

GTE Approval number: IISc-GTE-2022-220

Terms and conditions:

1. The quote should come only from an Original Equipment Manufacturer (OEM) or their Indian authorized distributor.
2. The sealed bid must be submitted in two individually sealed parts, one each for the technical bid and the commercial bid. The technical bid should contain all commercial terms and conditions, except the price.
3. The technical bid must contain a technical compliance document, preferably in the form of a table responding against each specification. Any deviation from the specification should be provided.
4. The vendor/company should have a track record of having previously supplied at least five similar items (optical parts) in India in the past five years (please furnish the details).
5. The offer shall be valid at least 60 days from the date of opening of the commercial bid.
6. The vendor/company should have existed for a minimum of 3 years. (Enclose Company Registration Certificate). The vendor/company must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere.
7. The Institute reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.
8. Notwithstanding anything specified in this tender document, IISc Bangalore, in its sole discretion, unconditionally and without having to assign any reason, reserves the rights:
 - a. To accept OR reject the lowest tender or any other tender or all the tenders.
 - b. To accept any tender in full or in part.
 - c. To reject the tender, offer not conforming to the tender terms.
9. The tender documents should be sent to the following address to reach the latest by 23rd December 2022.

The Chairman, Department of Materials Engineering, Indian Institute of Science, C.V Raman Avenue, Bangalore 560012

Technical specifications for the laser:

1. Wavelength: 405 ± 4 nm
2. Output power: 300 mW
3. Mode of Operation: CW

4. Beam diameter type and profile: Collimated, circular beam and $M^2 < 1.5$ (< 1.2 typ.)
5. Fiber coupler with coupling efficiency >75%
6. Fiber output coupler: Fiber collimator with variable focus and collimation lens
7. Smart pulse generation system enabling asynchronous digital modulation with BW up to 250 MHz
8. Provision for direct mounting onto an optical breadboard
9. All accessories such as necessary software, connectors, adapters, cables etc. required for the independent operation of the laser should be included.
10. Installation should be performed on site
11. The vendor/company and/or their authorized agent in India should provide aftersales service, full support, and onsite repair if required.
12. Warranty: 1 year [onsite repair is preferred] from the date of installation. Please quote for extending the warranty period for an additional one (i.e., total of two) as well as two.