

DEPARTMENT OF MECHANICAL ENGINEERING
INDIAN INSTITUTE OF SCIENCE (IISc), BENGALURU, INDIA

Local Tender Notice

Tender Notification Ref No.: ME/ENQ/TNDR/KV/22-23/02

Date: 19.04.2022

The Department of Mechanical Engineering (ME), Indian Institute of Science Bengaluru, invites tenders for supply of “**Laser optics and Delivery Head**”. This Invitation for Bids is open to all domestic (India based) manufacturers, Indian OEM or its authorised Indian distributors only.

The scope of the supply includes Installation, Commissioning and Training at site for the “Laser optics and Delivery Head”.

Tender Summary

1	Tender number	ME/ENQ/TNDR/KV/22-23/02
2	Tender Date	19.04.2022
3	Item Description	Laser optics and Delivery Head
4	Tender Type	Two Bid System: (a) Technical Bid (Part A) (b) Commercial Bid (Part B)
5	Place of Tender submission	Dr. Koushik Viswanathan Assistant Professor Department of Mechanical Engineering Indian Institute of Science, Bengaluru 560012
6	Last date & Time for submission of tender	09 th May 2022 & 5.00 P.M

To whom it may concern

This is a **Request for quote (RFQ)** from **Indian Agencies** for supply including Installation, Commissioning, training at site for “**Laser optics and Delivery Head**” at the “**Department of Mechanical Engineering (ME), Indian Institute of Science, Bengaluru**”.

This Invitation for Bids is open to only domestic (India based) manufacturers, Indian OEM or its authorized Indian distributors. All interested vendors shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below. **With respect to this tender, the rules laid out by the Government of India in order No. P45021/2/2017-pp-BE-II issued by the Public Procurement Section, Department or Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, dated 4th June 2020 will be followed.**

- As per the order the government has defined a ‘Class-I local supplier’ as “a supplier or service provider whose goods, services or work offered for procurement, has local content equal to or more than 50%”.

- A 'Class-II local supplier' is "a supplier or service provider, whose goods, services or works offered for procurement, has local content more than 20% but less than 50%".

Only Class-I and Class-II local suppliers are eligible to participate in this open domestic tender. Any "Non-local supplier" i.e. "a supplier or service provider, whose goods, services or works offered for procurement, has local content less than 20%" is ineligible to participate in this tender.

The deadline for submission of proposals is **9th May 2022 by 5:00 PM**. Proposals should arrive at the office of **The Chair, Department of Mechanical Engineering (ME) Indian Institute of Science, Bengaluru, Karnataka 560012, India**.

Direct all questions concerning the acquisition to addresses to Dr. Koushik Viswanathan at: koushik@iisc.ac.in

General Terms and Conditions

1. The bid should be submitted in the two-cover system, i.e. technical bid and commercial bid separately in sealed covers. The technical bid should contain all commercial terms and conditions, except the price.
2. The technical bid must contain a point-by-point technical compliance document. The technical proposal should contain a compliance table that should describe your compliance in a "yes" or "no" response against each of the items in the table listed in this RFQ. If "no" the second column should state, the extent of deviation. The third column should state the reason for the deviation, if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirement table below.
3. In the commercial bid, the price should be inclusive of all discounts.
4. The quotations should be on FOR-IISc Bangalore basis in INR only. Since IISc is DSIR registered organization, hence it is eligible for GST rate @5% as the equipment is required for research purposes only.
5. The vendor should have qualified technical service personnel for the equipment based in India (preferably in Bangalore).
6. The covering letter should clearly state that whether the vendor is a Class-I or Class-II local supplier. Failing this the bid will be automatically rejected.
7. The vendor to state the percentage of the local content and provide self-certification that the item offered meets the minimum local content requirement. They should also give details of the location(s) at which the local value addition is made.

8. The lead time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order. It should be clearly mentioned in the technical and commercial bids.
9. All the quotations must be valid for at least 90 days at the time of submission.
10. List of customers and references: **The Bidder should have supplied similar equipment in Central Universities, preferably in centrally Funded Technical Institutes (IITs, IISC, IISER, NIT). Please provide the details and contact information.**
11. The Bidder must not be blacklisted/banned/suspended or have a record of any service related dispute with any organization in India or elsewhere. A declaration to this effect should be provided.
12. Items in addition to that listed in the technical table that you would like to bring to the attention of the committee, such as data sheets, technical plots etc. can be listed at the end of the compliance table.
13. Vendors are encouraged to highlight the advantage of their Laser optics and Delivery Head over comparable Laser optics and Delivery Head from the competitors.
14. If needed, a meeting for any technical clarifications can be scheduled with the undersigned by sending an email.
15. 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.
16. Warranty terms and additional warranty options is a must for all the components. Please specify the service plan like whether the local distributor will address the issue or the parent company.
17. Terms and conditions for the annual maintenance contract beyond the warranty period should be mentioned.
18. After the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.
19. Please quote the price of each optional line item, separately.

Technical requirements

Please note that the requirements listed below are only guidelines. It does not disbar bids that do not meet the criteria listed. Vendors are requested to quote for equipment that meet the criteria to the best extent possible and list deviations. Deviations are NOT an automatic reason for disqualification. They will be discussed by the technical committee prior to making an informed decision.

1	Compatible Laser type	Ytterbium fibre laser
2	Max operating laser power	6 kW
3	Focal distance	250mm
4	Standoff distance	12-14 mm
5	Nozzle type	Annular coaxial jet
6	Free Aperture	48 mm
7	Total weight	<7kg
8	* Optional accessories (to be quoted separately)	Motorized focus control, 4-way nozzle, off-axis nozzle
9	Installation & Commissioning	The installation of the laser will be carried out by the OEM/ Supplier at the user's site at IISc. Integration with an existing metal AM system will be undertaken under supervision/support from the OEM/supplier. User manual to be provided
10	Training at site	The supplier or their authorized representatives should impart training to IISc personnel.
11	Warranty	The OEM/supplier will extend the performance warranty of the supplied machine for day-today actual working conditions at user's site for a period of 12 months from the date of commissioning.

- ✚ Should have proven record of successful installations within Indian education/research institutes. Proof of such installation must be enclosed.
- ✚ The OEM/Supplier should have trained service engineers stationed in India for any on-site service requirement, details to be provided in the offer.
- ✚ OEM/supplier should have requisite stock of necessary spare parts in India.
- ✚ Company should have a minimum annual turnover of INR 5 crores.

TERMS AND CONDITIONS

1. Warranty period: 1 year.

2. Supplier Credibility:

- a. The Bidder/Vendor Must have supplied minimum 3 Laser optics and Delivery head to reputed Government Organizations in INDIA in the past 3 years. Copies of Purchase Orders to be enclosed along with the Technical Bid as proof.
- b. Supplier should compulsorily indicate details of facilities / expertise/ qualification of support staff in India. Factory trained engineer/s should be available in India for complete product support
- c. Please enclose User list in INDIA.
- d. Minimum 3 Reference letters of similar system supplied in INDIA need to be submitted for further consideration.

3. Publications:

- a. As our Research Work is of critical nature, Vendors need to enclose reference publications/application note on the usage of “Laser optics and Delivery head” to show expertise of the product being offered.
- b. As a scope of future work, we intend to use planar measurements on the same set-up. Vendors can provide reference publications of using “Laser optics and Delivery head” (from same OEM).

4. Institute reserves the right for final selection of items.

5. Vendors may quote for any other items/accessories separately as “Optional Items”.

For queries or clarifications, please contact:

Dr. Koushik Viswanathan
Department of Mechanical Engineering
Indian Institute of Science,
Bengaluru, Karnataka 560012
koushik@iisc.ac.in
19th April, 2022.

Annexure-I

Note: Compliance Certificate must be enclosed with the Technical bid. Non submission of Compliance Certificate will lead to disqualification of the bidder.

Sl. No	Description	Value/Range	C	NC	D	Remarks
1	Compatible Laser Type	Ytterbium Fibre Laser				
2	Max operating laser power	6 kW				
3	Focal distance	250 mm				
4	Standoff distance	12-14 mm				
5	Nozzle type	Annular coaxial jet				
6	Free aperture	48 mm				
7	Total weight	<7 kgs				
8	* Optional accessories (to be quoted separately)	Motorized focus control, 4-way nozzle, off-axis nozzle				

C-Comply, NC- Non Comply, D- Deviation

Annexure-II

MANUFACTURER'S AUTHORISATION FORM

[The bidder shall require the manufacturer to fill in this form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by the person with the proper authority to sign documents that are binding on the Manufacturer.]

Date: [insert date (as day, month and year) of Bid Submission]

Tender No.: [insert number from Invitation for Bids]

To: The Chair, Department of Mechanical Engineering (ME), IISc, Bengaluru 560012

We [insert complete name of Manufacturer], who are official manufacturers of [insert full address of Manufacturer's factories], do hereby authorize [insert complete name of Bidder] to submit a bid the purpose of which is to provide the following Goods, manufactured by us [insert name and or brief description of the Goods], and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty with respect to the Goods offered by the above firm.

Signed: [insert signature(s) of authorized representative(s) of the Manufacturer]

Name: [insert complete name(s) of authorized representative(s) of the Manufacturer]

Title: [insert title]

Duly authorized to sign this authorization on behalf of: [insert complete name of Bidder]