

Indian Institute of Technology, Delhi
Department of Mechanical Engineering

Sub: Notice Inviting Quotations for Laser Aligning System

Sealed (Technical and Financial) quotations are invited for Laser Aligning System (LAS) to measure shaft alignment in radial as well as axial direction (Horizontal and vertical planes) and display (either on "Display Unit" or on the computer) the real time data. All necessary accessories, required to display, must be provided. In case of "Display unit", necessary provisions must be provided to download the measured data on computer hard-disk. The laser aligning system must be able to provide accurate alignment within 3-4 readings over a rotation angle of 40-45 degrees. The LAS must have following specifications:

Laser Aligning System

Description	Specification
Measurement range (along the axis)	20mm to 2m
Shaft diameter range	Up to 50mm
Accuracy	$\pm 5 \mu\text{m} \pm 0.5\%$
Inclinometer resolution	0.1°
Line laser	635-670nm visible red
Laser class	Safety class 2
Communication to the computer	Bluetooth and USB
Environmental protection	IP65 (water spray resistant, shock and dustproof)
Display Unit	
Battery type	2XAA alkaline or rechargeable batteries
Resolution of the display unit	0.001mm
Operating time	10h

Terms and Condition:

- The tenderer should submit an EMD (Ernest Money Deposit) amount of Rs.10,000 in form of Demand Draft / Banker's-Pay-Order drawn in favor of "Registrar, Indian Institute of Technology, Delhi" and payable at New Delhi from any nationalized bank. The EMD will be returned without any interest to unsuccessful Tenderer only after the tenders are finalized. In case of successful Tenderer, EMD will be retained till the successful complete installation of the equipment.
- The sealed quotations addressed to "**Dr. Harish Hirani, Block II 354, Department of Mechanical Engineering, Indian Institute of Technology, Hauz Khas, New Delhi - 110016**" should reach latest by **9:00 A.M. of December 08, 2014**. The quotation must incorporate two envelopes; one for "Technical bid" and other for "financial bid". Both the envelopes must be properly sealed. Technical bid should consist of all technical details along

with EMD. The technical bid without EMD would be considered as UNRESPONSIVE and will not be considered. The tender number and details should be superscripted on the left side of the outer cover. The Quotations should be valid for 90 days from the due date.

- The offer/bid will be opened by a committee duly constituted for this purpose. The technical bid will be opened first and it will be examined by a technical committee which will decide the suitability as per our specification and requirement. The financial offer/bid will be opened only for the offer/bid which technically meets all our requirements as per the specification.
- The products will be used for research purposes. Hence any applicable institutional discounts should be offered and stated.
- The Committee reserves the right to reject any or all offers without assigning any reason.
- Either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- If the quote is being submitted by the representative of the Principals/manufacturer themselves, a valid Agency ship/Dealership Certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
- Delivery period should be specifically mentioned and should be as maximum 2-4 weeks.
- The supplier is required to done the installation and demonstration of the equipment within one month of the arrival of materials at the IITD site of installation.
- Warranty period shall be minimum of 1 year from date of installation and demo of goods at the Mechanical Department of IIT Delhi.
- In case the offered equipment is proprietary in nature, the same be mentioned on the envelope containing the bids. In addition, the necessary proprietary certificate stating clearly the proprietary details should be furnished together with Technical quotation.
- Please quote prices at FOB, inclusive of installation charges.
- Brochure detailing technical specifications and performance, list of industrial and educational establishments where the items enquired have been supplied must be provided.
- Clearly specify the installation requirements—such as space, power, frequency, environment (Temperature and humidity) etc.