

**INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE
2A & 2B, RAJA S.C.MULLICK ROAD
JADAVPUR, KOLKATA-700032**

Tender No: IACS/TC/PC/13/53 dated 17.12.2013

Sealed tender in two bids system (**Technical Bid & Financial bid**) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for a “**Mid-Infrared Quantum cascade laser along with power supply and control unit**”.

Part - I (Technical Bid) of the tender should contain technical details and commercial terms and conditions and **Part - II (Price Bid)** should indicate group-wise price as mentioned in the Technical Bid where applicable. The Technical Bid and Price bid are to be submitted in two separate envelopes distinctly marked accordingly and both to be put inside **another envelope**, which should be sealed and super scribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads. Overseas bidders can send the price and technical bids directly by email to the contact given below.

Complete tender bids should reach the **office of the Department of Physical Chemistry, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata - 700032** on or before the scheduled date & time specified below.

Tender Notice No.	IACS/TC/PC/13/53 dated 17.12.2013
Last date and time of submitting tender	13th January, 2014 at 1.00 P.M.
Pre-bid meeting	26th December, 2013 at 3.00 P.M.
Date and time of opening tender	13th January, 2014 at 3.00 PM
Place of opening tender	J.C. Bose Hall, IACS
contact	e-mail: pctc@iacs.res.in Tel. +91-33-2473 4971 (ext. 1470)

The **technical bids** will be opened first to evaluate the technical specifications of the equipment thereafter, the **Price bids** of only technically qualified bidders will be opened.

1. TECHNICAL BID:

The Technical Bid should contain technical specifications and kept in a separate envelope duly super scribed as “**Technical Bid**” on the outer side of the envelope as detailed above. For the overseas bids this should be sent as a separate file.

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Technical specification for “Quantum cascade laser along with power supply and control unit”

Operating mode: CW as well as pulsed

Central wavelength: 9.0 and 9.6 micrometer

Tuning range: $\pm 40 \text{ cm}^{-1}$ (total 80 cm^{-1})

Tuning speed: $\sim 100 \text{ cm}^{-1}/\text{s}$

Power: $\sim 100 \text{ mW}$

CW spectral line width: $< 100 \text{ MHz}$

Current modulation: DC-1 MHz, amplitude depth: $> 50\%$, frequency depth: 0.05 cm^{-1}

Polarization: Vertical 100:1, and also linear

Beam diameter: $\sim 2\text{-}3 \text{ mm}$

Pulse width (in pulsed operation): 50-500 nanoseconds

Pulse repetition rate: $0.1 \text{ ó } 100 \text{ kHz}$

Spectral line width for pulsed operation: $\sim 1 \text{ cm}^{-1}$

2. PRICE BID:

The financial bid indicating (item-wise) price for the item (s) mentioned in the technical bid should be kept in a separate sealed envelope duly super scribed as “**PRICE BID**” on the outer cover of the envelope as already detailed above. The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening at their email id-s. Rest of the bids will stand rejected.

PRICE: Price to be quoted both on FOB/CIF basis. Name of the particular Port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

3. BID SECURITY:

1) **Bid Security (EMD):** An Account Payee Demand Draft of **Rs.1,00,000/- (one lakh only)** in favour of “**Indian Association for the Cultivation of Science**” is to be furnished by the bidders as Bid Security money or Earnest Money Deposit (EMD).

2) The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.

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3) In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders. However, the Bid- security money is not mandatory for the overseas bidders.

4.PERFORMANCE SECURITY:

An Account Payee Demand Draft of **10% of the order value** in favour of "**Indian Association for the Cultivation of Science**" is to be furnished by the successful bidder as **Performance security**. Performance security money should remain valid for a period of 60 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. Bid security money will be refunded to successful bidder on receipt of the Performance security money. This clause is not applicable for the overseas bidders.

5) GENERAL INSTRUCTIONS:

- 1) Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof.
- 2) Tender Notice Number and tender for "**Quantum cascade laser along with power supply and control unit**" should clearly be written on the envelope.
- 3) At any time prior to the bid due date, IACS may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder during pre-bid meeting, modify the bidding documents. The amendment(s) will be notified on the Institute website. Prospective bidders are advised to occasionally visit the website (www.iacs.res.in/tender) for any amendment.
- 4) **Payment:** In the case of domestic bidders, 100% payment against delivery and successful installation subject to submission of performance guarantee. However, advance payment, if necessary, could be released only to the foreign manufacturers.
- 5) **Warranty:** one year.
- 6) **Installation/Demonstration/Application Training at site:** N/A.
- 7) **Service facility:** The bidder should clearly mention what kind of service support can be provided in case of any emergency breakdown of the equipment.
- 8) **Validity of tender:** The tender offer should be valid for minimum 90 days.

- 9) The tender should accompany a compliance chart.
- 10) The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.
- 11) The model number, make, and a printed literature of the product shall be submitted positively.
- 12) Proposed delivery schedule should be mentioned clearly.
- 13) Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organizations.
- 14) Authorized Dealership Certificate is must in case of principal manufacturing company is not quoting directly.
- 15) Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.
- 16) In the event of date being declared a closed holiday for purchaser's office, the due date for submission of bids and opening of technical bids will be the following working day at the appointed time.
- 17) In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.
- 18) For any clarification regarding technical specifications, etc. please send your queries to " Professor Tapas Chakraborty" pctc@iacs.res.in.
- 19) The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

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