

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

Tender No.: MS/AP/13/31 dated 16.08.2013

Sub: Quantum Efficiency measurements system

Sealed tender in two bids system (**Technical Bid & Financial bid**) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for **Quantum Efficiency measurements system and accessories**.

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 separately sealed 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.

Complete tender bids should reach the **office of the Department of Materials Science, 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.	MS/AP/13/31 dated 16.08.2013
Last date and time of submitting tender	25th September, 2013 at 12.00 noon
Pre-bid meeting to discuss technical specifications	18th September, 2013 at 12.00 noon
Date and time of opening tender	25th September, 2013 at 3.00 PM
Place of opening tender	in S. N. Bose Hall, IACS, Kolkata
contact	e-mail: msap@iacs.res.in Tel. +91-33-2473 4971 (ext. 1209)

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.

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Technical specification for Quantum Efficiency measurements system

- A. The required specifications are as follows:
- B. (i) **Monochromator** with usable wavelength range between 180 nm to 24 micron dependent on installed gratings.
- C. (ii) **Light Source** 200-500W Xe Research Light sources.
- D. (iii) **Lock in amplifier/meter** with control unit detectors with the preamplifier and optical chopper
- E. (iv) **Si Detector** with working range 185-1100nm.
- F. The QE measurement system should be compatible for photovoltaic measurement is preferred. Interface facilities with the computer is desirable
- G. Warranty for minimum 2 year after installation
- H. Installation, personnel training and test measurements.
- I. Comprehensive Annual Maintenance Cost (AMC) for the above items should be mentioned.

User list: The supplier should provide a list of current users (with contact no, Email address etc) for the quoted item in India.

Service facility: Supplier should mention their details of service setup who are responsible for after sales support. Response time should be within 24 hours

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)The financial bid should be super scribed as "**PRICE BID**" on the outer cover of the envelope.

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- 2) **Bid Security (EMD):** An Account Payee Demand Draft of **Rs. 2.00 Lakh** in the name of **"Indian Association for the Cultivation of Science"** is to be furnished by the bidders as Bid Security money or Earnest Money Deposit (EMD).
- 3) The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.
- 4) In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders.

4.PERFORMANCE SECURITY:

An Account Payee Demand Draft of **10% of the order value** in the name 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.

5) GENERAL INSTURCTIONS:

- 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 Efficiency measurements system"** 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:** 100% against delivery and successful installation subject to submission of performance guarantee.
- 5) **Warranty:** Minimum 2 years.

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- 6) **Installation/Demonstration/Application Training at site:** Free of cost by the supplier.
- 7) **Service facility:** Supplier should mention their details of service setup and Manpower in Kolkata who are responsible for after sales support. Response time should be within 24 hours.
- 8) **Validity of tender:** Tender submitted shall remain valid at least for three months from the date of opening the tender. Validity beyond three months from the date of opening of the tender shall be by mutual consent.
- 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 submit 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 "Prof. Amitava Patra" msap@iacs.res.in.
- 19) The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

R E G I S T R A R