

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

TENDER NOTICE NO.: IACS/SERIIUS/DB/SSP/13/A-10 dated 11.02.2013

Sealed tenders in two bids system (Technical Bid & Financial Bid) is invited from bonafide, resourceful and eligible manufacturers/exclusive distributors for **"Hall Measurement System"**

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 superscribed with tender notice no. and due date. The bidders may submit bids duly signed in their own letterheads

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

Tender Notice No.	IACS/SERIIUS/DB/SSP/13/A-10 dated 11.02.2013
Last date and time of submitting tender	4th March, 2013 at 1.00 P.M.
Pre-bid meeting	To discuss technical specification on 28th February, 2013 at 3.00 P.M.
Date and time of opening tender	8 th March, 2013 at 12.00 P.M.
Place of opening tender	S.N.Bose Hall, IACS,Kolkata
Contact	e-mail: sspdb@iacs.res.in Tel. +01-

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.

Technical Bid Evaluation: The Technical Bids will be evaluated in the presence of the representatives of intending bidders who will be able to clarify technical aspects of their bids, if any, required by the Technical Evaluation Team

Opening of price-bid: The Price Bids of the bidders qualifying the technical bid will be opened on the same day as technical bid. The rest of the bids will be rejected.

Please note that IACS will not provide any accommodation or expenses to any of the bidders for attending opening of technical bid.

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.

The Technical Specifications acceptable for the "Hall Measurement System" as follows:

Measurement range/parameter	Range
Mobility	$10^{-3} \text{ cm}^2/\text{v s}$ to $10^6 \text{ cm}^2/\text{v s}$
Carrier Concentration	10^3 to $10^{23} /\text{cm}^3$
Resistivity	10^{-5} Ohm cm to 10^5 Ohm cm
Resistance	10^{-3} Ohm to 50 Giga Ohm
Current	$\pm 500 \text{ fA}$ to $\pm 100 \text{ mA}$
Voltage	0 to 100 V
Magnetic field	
Room Temperature Field	1.5 T- 2.0 T
Required Field for Temperature Variation	0.8 T-1.2T
Facility for Sample illumination (Optional)	By applying external light source existing in the lab
Measurement temperature range	
Measurement Temperature Range	77 K to Room temperature Room temperature to 673 K
Should be able to accommodate cryostat for sample temperature measurement	15 K to room temperature
Sample type	Size
Thin film on substrate	Min 5 mm x 5 mm to 20 mm x 20 mm
Sample Holder	5 Solder pad sample card and 10 prober pin sample card
Software	Hall measurement software
Computer	With CD-ROM, >19 inch flat screen monitor, USB adapter for interfacing
Chiller	$+15 \text{ }^\circ\text{C}$ to $+30 \text{ }^\circ\text{C}$
Warranty	2 years

"Hall Measurement System"

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: Trained technicians should install the instrument and ensure it is operating correctly and within specifications. User training at site should also be provided. Supplier should mention their details of service setup that are responsible for after sales support.

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 and CIF basis. Name of the particular port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

BID SECURITY:

1. The financial bid should be super scribed as "**PRICE BID**" on the outer cover of the envelope
2. **Bid Security (EMD):** An Account Payee Demand Draft of Rs.3,00,000/- 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.

PERFORMANCE SECURITY:

An Account Payee Demand Draft of an amount 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.

GENERAL INSTRUCTIONS:

1. Incomplete & conditional tenders and tenders received after the date will be summarily rejected without assigning any reasons thereof. "**Hall Measurement System**" should clearly be written on the envelope.
2. At any time prior to the bid due date, IACS may, for any reason, shether 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.
3. **Payment** will be released on successful installation and submission of performance guarantee.
4. **Warranty: Minimum 2 years.**
5. **Installation/Demonstration/Application Training at site:** Free of cost by the supplier.
6. **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.

7. **Validity of tender:** Tender submitted shall remain valid at least for three months from the date of opening the tender. Validity beyond four months from the date of opening of the tender three months from the date of opening of the tender shall be by mutual consent.

8. The tender should accompany a compliance chart.

9. The rate should be inclusive of all taxes, transportation etc. Nothing extra will be paid in addition to the quoted rate.

10. The model number, make, and a printed literature of the product shall submit positively.

11. Proposed delivery schedule should be mentioned clearly.

12. Manufacturers/exclusive distributors/vendors should have history of supplying this type of instrument to this or other Scientific Organization.

13. Authorized Dealership Certificate is must in case of principal manufacturing company is not quoting directly.

14. Guarantee certificate, users manuals etc. are to be handed over to the user after successful commissioning of the system.

15. 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.

16. In case of any dispute, the decision of the Institute authority shall be final and binding on the bidders.

17. For any clarification regarding technical specifications etc. please send your queries to "Prof. Durga Basak" sspdb@iacs.res.in.

18. The Institute reserves the right to reject any or all of the tenders received without assigning any reason thereof.

Registrar

