

INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

2A & 2B, RAJA S C MULLICK ROAD, JADAVPUR, KOLKATA 700032

TENDER NOTICE

NTT No. IACS/SMSNRJ/2024-25/23

Date:04.07.2024

Sub: **Procurement / Purchase of “Portable Electrochemiluminescence Instrument”**

Sealed tender in two bids system (technical bid and price bid) is invited from bonafide, resourceful and eligible manufacturer/exclusive distributor/vendors for **Procurement/Purchase of “Portable Electrochemiluminescence Instrument”**.

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 **Registrar, Indian Association for the Cultivation of Science, 2A & 2B Raja S. C. Mullick Road, Jadavpur, Kolkata 700032 or on before the scheduled date & time specified below.**

Tender Notice Number	IACS/SMSNRJ/2024-25/23, dt 04.07.2024
Last date and time of submitting tender	July 29, 2024 at 1.00 p.m
Pre-bid meeting	July 19 at 3 PM via online mode (interested vendors are requested to send their email id to camnrj@iacs.res.in)
Date and time of opening tender	July 29, 2024 at 3.30 p.m
Place of Opening Tender (Technical Bids)	School of Material Science Office
Date and time of opening of Price Bids	The price bids of only technically qualified bidders will be opened and they will be intimated the date and time of opening of price bids at their email id-(s). Rest of the bids will stand rejected.
Contact	Email: camnrj@iacs.res.in Phone: 24734971 Ext. 1195

Technical Specification: “Portable Electrochemiluminescence Instrument” with following hardware:

A. TECHNICAL BID:

1. DC-Potential range ± 4.000 V
2. Current ranges ± 1 nA to ± 10 mA (multiple ranges)
3. Maximum measurable current ± 40 mA
4. Voltage ranges ± 100 mV to ± 1 V
5. Rise time 20 μ s
6. Applied Potential Resolution 1 mV
7. Measured Potential Resolution 0.012% of potential range
8. Potential Accuracy ± 0.2 %
9. Measured Current Resolution 0.025% of current range
10. Applied Current Resolution: 0.1% of current range
11. Current Accuracy ≤ 0.5 % of current range at 100nA to 10 mA
12. High Sensitivity CMOS sensor based spectrometer with wavelength range 340-850 nm
13. Windows based single operating software to control both the instrument
14. Screen-Printed Carbon electrode with Carbon auxiliary and Silver reference qty. 100
15. Screen-Printed Gold electrode with Gold auxiliary and Silver reference qty. 100
16. Screen-Printed Gold electrode with Gold auxiliary and Silver reference for working with low volumes qty. 100
17. Screen-Printed Platinum electrode with Platinum auxiliary and Silver reference qty. 100
18. Laptop with i5 processor qty. 1
19. It should have USB and Bluetooth interface connectivity for system control, data acquisition.
20. System should be supplied with software for data acquisition and system control.
21. It should support following Measuring Techniques:
Linear Sweep Voltammetry, Cyclic Voltammetry, Square Wave Voltammetry, Differential Pulse Voltammetry, Normal Pulse Voltammetry, Differential Normal Pulse Voltammetry, AC Voltammetry, Linear Polarization Resistance, Linear Sweep Potentiometry, Cyclic Potentiometry, Potentiometric Detection (galvanostatic), Fast Potentiometry (tint < 0.1s), Zero Current Potentiometry, Potentiometric Stripping Analysis (galvanostatic), Potentiometric Stripping Analysis (faradaic), Multipulsed Potentiometric Detection, Amperometric Detection, Fast Amperometry (tint < 0.1 s), Pulsed Amperometric Detection, Zero Resistance Amperometry, Multipulsed Amperometric Detection, Coulometric Detection.
22. Should have service center at KOLKATA.
23. The Electrochemiluminescence Instrument should have 3-year standard warranty on all parts.
24. A suitable voltage stabilizer should be supply from local with 5 years of warranty.

B. PRICE BID:

The financial bid should be super scribed as “**Price Bid**” on the outer cover of the envelope.

1. 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 of price bids at their email id-(s). Rest of the bids will stand rejected.
2. Price: Price to be quoted both on FOB/CIF basis for foreign currency or in Indian currency. Name of the particular port from where our authorized forwarder will lift the consignment must be mentioned clearly with FOB price.

C. BID SECURITY

An Account Payee Demand Draft of **Rs. 20,000/- (Rupees Twenty thousand only)** 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).

1. The Demand Draft for the Bid-Security money should have at least 45 (forty five) days validity period after the opening of the Bids.
2. In case of non-award of the work the Bid Security money would be returned to the unsuccessful Bidders

D. 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.

E. GENERAL INSTRUCTION:

1) Incomplete & conditional tenders and tenders received after the due date will be summarily rejected without assigning any reasons thereof. **“Portable Electrochemiluminescence Instrument”** should clearly be written on the envelope.

2) 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.

3) Payment: 100% against delivery and successful installation subject to submission of performance guarantee.

4) Warranty: Minimum 3 years with annual maintenance contract (free of additional charge)

5) Installation/Demonstration /Application Training at site: Free of cost by the supplier

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

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) The 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. A technical compliance chart should also be provided following the given format:

Serial Number	Tender Specification	Specification of your	Extent of compliance

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 Organization.
- 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) Incomplete tenders will be summarily rejected.
- 17) For any clarification regarding technical specifications, etc. please send your queries to camnrj@iacs.res.in. 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.
- 19) **Acceptance of Tender:** IACS authority does not bind itself to accept the lowest tender and reserves the right to reject any or all the tenders received without assigning any reason thereof.

REGISTRAR