Request for Quote for the procurement of a Nanopore Current Measurement System
(Last date: 05 August 2022)

This is a Request for Quote (RFQ) for the procurement of a nanopore current measurement system for the Centre for Nano Science and Engineering (CeNSE) at the Indian Institute of Science (IISc), Bangalore.

Procedure:

1. Vendors will be required to submit a technical proposal and a commercial proposal in **two separate sealed envelopes**. The technical bid should contain all commercial terms and conditions, except the price. Only vendors who will be adjudged by the committee to meet the technical requirements will be considered for the commercial negotiation.
2. **The deadline for submission of proposals is August 5th, 2022, i.e. 05-08-2022, 5:00 pm Indian Standard Time.** Proposals should arrive at the address mentioned at the end of this section, on or before the above deadline.
3. The quotation should mention the terms of delivery, delivery schedule, estimated delivery date, and payment terms on C.I.P. Bangalore basis (by Air Freight).
4. The decision made by the purchase committee is final.
5. **The technical bid** must contain a point-by-point technical compliance document.
    a. The technical proposal should contain a compliance table with 5 columns.
        - First column must list the technical requirements, in the order that they are given in the technical requirements below.
        - The second column must provide specification of the instrument against the requirement (please provide quantitative responses wherever possible)
        - The third column should describe the compliance with a "YES" or "NO" only. Ensure that the entries in the column 2 and column 3 are consistent.
        - The fourth column should clearly state the **reasons/explanations/context** for deviations if any. Without clear explanation, just stating YES" or "NO" will not be considered.
        - The fifth column may contain additional remarks. It can be used to highlight the technical features, qualify response of previous columns, or provide additional details.
    b. Technical capabilities of any *suggested* accessories/add-ons that may enhance the usability, capability, accuracy or reliability of the tool. Vendors are encouraged to quote for as many add-ons as their tool portfolio permits.
    c. Vendors may highlight the advantages of their tools over comparable tools from the competitors.
    d. Relevant technical datasheets should be provided. The committee reserves the right to cross-check the information in these datasheets with publicly available information.
    e. Items in addition to that listed in the technical table that the vendor would like to

bring to the attention, such as data sheets, technical plots etc. may be listed at the end of the compliance table.

f. If multiple systems can fulfil the requirements, vendors can submit multiple bids.

6. The technical proposal will be evaluated against the technical requirement. Deviations from the technical specifications requested are allowed. Such deviations must be highlighted and justified. Their acceptance or rejection will be left to the discretion of the technical committee. Only the vendors, adjudged by the committee to be suitable to meet the technical requirements, will be considered for the commercial negotiation.

7. The **commercial bid** must contain:
    a. Itemized cost of the system and *required* accessories, such as software, power supply, etc.
    b. All accessories needed for the instrument to function as per the technical specification must be listed.
    c. Itemized cost, as an option, for any *suggested* accessories/add-ons that may enhance the usability, capability, accuracy or reliability of the tool. Vendors are encouraged to quote for as many add-ons as their tool portfolio permits.
    d. The cost of shipping plus insurance up to IISc must be included. IISc will help the shipping company to take care of the customs clearance at Bangalore Airport.
    e. Please indicate any warranty provided with the tool.
    f. The cost of any annual maintenance contract (AMC) must be included.
    g. The commercial bid should indicate the following separately: (a) equipment price (b) optional items (c) Freight and insurance cost (d) Shipping cost and (e) the Total cost.

All the proposals should be addressed to:

To the Attn: Dr. Manoj Varma
Room SF04
Centre for Nano Science and Engineering
Indian Institute of Science
Bangalore – 560012, India

The proposals should arrive at the above address on or before the deadline of August 5th, 2022, 5:00 pm Indian Standard Time. Shipment packages are delivered from 9 am to 5 pm. Questions regarding this tender should be addressed to Dr. Manoj Varma at the email address mvarma@iisc.ac.in with the subject line "Nanopore Current Measurement System Global RFQ". Post such submission all vendors should send an email to mvarma@iisc.ac.in with the subject line: "Submitted bid_ Nanopore Current Measurement System" to intimate him of the submission within one day.

II. General terms and conditions:

1. The institute reserves the right to accept or reject any bid, or to annul the bidding process and reject all bids, at any time prior to the award of contract without thereby incurring any liability of the affected bidder or bidders.

2. Previous installations can be used by the committee to disqualify vendors with poor track record of service, build quality, system performance or poor availability of spares.
3. The bidder must not be blacklisted/banned/suspended or have a record of any service-related dispute with any organization in India or elsewhere. A declaration to this effect should be provided.
4. All the quotations must be valid for at least 120 days at the time of submission.
5. The quotations should clearly indicate the terms of delivery, delivery schedule, tax, and payment terms.
6. In case of the award of purchase order, the vendor must provide an Order Acknowledgement within 30 days from the receipt of the Purchase Order.
7. The lead-time for the delivery of the equipment should not be more than 3 months from the date of receipt of our purchase order.
8. Necessary training to operate the procured setup and required literature support (in English language) should be provided without additional cost.
9. Data must be supplied along with the technical compliance documents. Technical bids without supporting data can be deemed as technically non-compliant.
10. Printed literature and published papers in support of all compliance to the prescribed specifications are encouraged.

III. Technical specifications of the nanopore current measurement system:

1. Current measurement range at least 20 nano-amps (nA) with sampling rate of at least 100 kilo-samples/sec
2. Measurement noise (rms): less than 3 pico-amps (pA) @100 kHz bandwidth and less than 0.1 pico-amps @1 kHz bandwidth
3. Bias voltage at least up to 1 Volts
4. Ability to apply user-defined bias voltage protocols
5. Compatible with flow cells able to accept 3 mm ± 0.1 mm and/or 5 mm ± 0.1 mm square Silicon chips
6. Integrated instrument control software

Optional items (Spares and accessories)

1. Flow-cells for 3 mm and/or 5 mm square chip sizes

Thanking you,

Dr. Manoj Varma
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