Tender Notification for the procurement of Lockin Amplifier

Last date of submission of tenders: 12 Dec 2018

Ref: CeNSE/LIA/30Nov2018

Send your best quotation for the following item on C.I.P. Bangalore basis. IISc will help with customs clearance at Bangalore Airport. Please include your payment option.

1. Your quotation should clearly indicate the terms of delivery, delivery schedule, E.D., payment terms etc.
2. The tender should be submitted in two separate sealed envelopes - one containing the technical bid and the other containing the commercial bid, both of which should reach us, duly signed on or before 1700 hours 12th December 2018.
3. Address to send to:

   Prof. Akshay Naik
   Centre for Nano Science and Engineering
   Indian Institute of Science, Bangalore 560012

4. Please enclose a **compliance certificate** along with the technical bid. This certificate should have a table that should describe your compliance in a "Yes" or "No" response against each of the items in the table listed in this RFQ. If "No" the second column should state the extent of deviation. The "third" column should state the reasons for the deviation if any. The fourth column can be used to compare your tool with that of your competitors or provide details as requested in the technical requirements table below.
5. Items in addition to that listed in the technical table that you would like to bring to the attention of the committee can be listed at the end of the compliance table.
6. Vendors are encouraged to highlight the advantages of their tools over comparable tools from the competitors.

Yours Sincerely,

Chairman
Centre for Nano Science and Engineering
Address all queries concerning this tender to Prof. Akshay Naik (email: anaik@iisc.ac.in)

Specifications for the Lockin Amplifier:

Technical Specification	Range/remark
Mode of operation:	
Internal reference	Single and dual
External reference	Single and dual
Higher harmonics	Atleast 3
Input specification:	

Frequency range	DC-500MHz
Filter time constants	30 ns- 50 s
Filter bandwidth	0.1mHz – 5 MHz
Input noise level	4nV/sqrt(Hz) for frequency > 1MHz
A/D conversion	12 bit 1.8 GSa/s
Sensitivity	1nV to 1.5 V
No. of inputs	2
Ability to measure signal synchronously	Yes
Reference, auxiliary channels:	
Reference frequency resolution	Better than 1 mHz
Sample rate of aux outputs	Better than 25 MSa/s (each), 16 bit.
Outputs	X, Y, R, θ
Connectivity:	
LAN/Ethernet connection	Yes

Terms and conditions:

1. The vendor should have a track record of having previously supplied at least three similar equipment in India in the last 5 years (please furnish the contact details of the customers).
2. The quotation will be in foreign currency.
3. The lead time for the delivery of the equipment should not be more than three months from the date of receipt of our purchase order.
4. The instrument must carry a comprehensive warranty of 18 months from the date of installation, or 24 months from day of receipt by the vendor, whichever one is earlier. Please provide ample justification if this is not possible.