

**Department of Physics
Indian Institute of Technology Delhi**

NOTICE INVITING QUOTATION

Date: 28-02-2013

Sub: Lock-In Amplifier

NIQ Ref: IITD/PHYS/2013PLN-03/ASG/LIA

Please send your quotation for purchase of the following items as per specifications given below. Your quotations should reach latest by **1 PM on March 14th, 2013**. Quotations are solicited only for items manufactured by reputed company with proven past record of sales, supply and after-sales service.

1. Type of Item: Lock-In Amplifier

- (i) 1 mHz to 102.4 kHz range
- (ii) Simultaneous display of amplitude and phase
- (iii) >100 dB dynamic reserve
- (iv) 5 ppm/°C stability
- (v) 0.01 degree phase resolution
- (vi) Time constants from 10 μ s to 30 ks (up to 24 dB/oct rolloff)
- (vii) Auto-gain, -phase, -reserve and -offset
- (viii) Reference source
- (ix) GPIB and RS-232 interfaces

Please note:

1. The power requirements have to be compatible to Indian conditions (220VAC, 50Hz) and all power cables, supplies and required adaptors must be provided.

TERMS & CONDITIONS COVERING SUBMISSION OF QUOTATIONS

1. Technical requirements

- 1) All items are to be in **metric scale** only.
- 2) The **Technical Bid** must contain the following details, otherwise quotation cannot be considered.
 - a. All the required specifications, drawings, etc. are to be attached.
 - b. Along with the technical bid, please enclose support documents related to previous sale of the above items(s) within India as applicable.
 - c. If the items are of proprietary nature, please provide proprietary certificate from the manufacturer.
 - d. All INDIAN agents must provide agent certificate, IEC and central sales tax certificate.

- 2. WARRANTY SERVICES:** Life time and warranty = Minimum of 2 years warranty with calibration services as needed
- 3. DELIVERY:** The rates quoted must be for FOB Delhi. The extra charges such as VAT, Import/ excise duty, Insurance, Documentation charges, Transportation /Airfreight charges to Delhi, etc. have to be mentioned separately.
- 4. TERMS OF PAYMENT:** **100% post-payment (wire transfer/LC) on delivery and satisfactory installation**
- 5. INSTITUTE'S RIGHTS:** IIT Delhi reserves the rights of acceptance or rejection of any or all quotations.
- 6. VALIDITY OF QUOTATIONS:** Quotations should be valid at least for a period of 3 months.
- 7. SUBMISSION OF QUOTATIONS:** **Both Technical and price bids are to be quoted separately in separate sealed covers. Both these bids** should be sent in a sealed cover marked at the top SUBJECT AND DUE DATE by **March 14th, 2013, 1 pm.**

Please also send emails of the same quotations and technical information to amartya@physics.iitd.ac.in so as to reach by **March 14th, 2013**. Both the hard copy and soft copy versions have to reach by the above due date for consideration. Incomplete quotations will be rejected.

Quotations should be sent both in hard copy and soft copy format as requested, on or before due date to:

Dr. Amartya Sengupta
Department of Physics, IIT Delhi,
Hauz Khas, New Delhi - 110 016,
India.
Email: amartya@physics.iitd.ac.in



Dr. Amartya Sengupta
Department of Physics, IIT Delhi.