



Department of Electrical Engineering
Indian Institute of Technology, Delhi
Hauz Khas, New Delhi 110016

NIQ no. IITD/EE/RP03074/IEC/5854

Due Date: 12.04.2017, 5 PM

**Notice inviting quotations for
low noise current pre-amplifier**

Sealed/online/e-mail quotations are invited for low noise current pre-amplifier. The required specifications are given below.

Required Specifications for low noise current pre-amplifier

1. input noise less than $10\text{fA}/\sqrt{\text{Hz}}$
2. Maximum bandwidth of around 1 MHz.
3. Option for variable gain with maximum gain greater than 100 nA/V.
4. Inputs - Virtual null or user-set bias ($\pm 3.5\text{ V}$).
5. Maximum current input of $\pm 5\text{ mA}$.
6. Gain accuracy: $\pm(0.5\% \text{ of output} + 10\text{ mV}) @ 25\text{ }^\circ\text{C}$.
7. Maximum output of atleast $\pm 5\text{ V}$ into a high impedance load.
8. Variable output impedance
9. Inputs: AC or DC coupled, single-ended or differential
10. CMRR of greater than 80 dB from DC to 1 kHz
11. Line or battery operation
12. Configurable Signal filters (low-pass and high-pass) 6 dB/oct rolloff filters.
13. Computer interface: RS-232, with greater than 9000 baud rate (Receive)
14. Maximum output of greater than 8 Vpp with $50\ \Omega$ load
15. Distortion of less than 0.01 % at 1 kHz

Dr. M. Sarkar
(Chairman, purchase committee)

Terms and Conditions

1. The quote should reach the following address on or before **12.04.2017, 5 PM**.
Dr. M. Sarkar
Electrical Engineering Department
Block II, Room 333
IIT Delhi, Hauz Khas
New Delhi, 110016
2. Please quote prices for FOB New Delhi, inclusive of all taxes and duties.
3. Quote should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and needs to be valid for at least three months.
4. Please specify all of your terms and conditions clearly, including delivery period.
5. Mode of payment for purchases in foreign currency are through irrevocable letter of credit, or through wire transfer on delivery. Only bank charges within India are payable by IIT Delhi, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.
6. The Institute reserves the right to accept or reject any or all quotations without assigning any reasons thereof.

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