

Indian Institute of Technology
Department of Mechanical Engineering

Date: 01.01.2015
Closing Date: 15.01.2015

Enquiry number: **IITK/ME/NNK/01**

Quotations are invites from interested parties for purchase of 2 RF Limiting amplifiers as per following specifications.

Specifications:

1. RF Amplifier Specifications: (Quantity= 1)

- Amplifier in a **connectorized** package.
- Desired Operating range = 0 - 200 MHz (upto 500 MHz acceptable).
- **Signal Gain ~ 10 dB.**
- Saturated output Power (dBm) = -2 (Typical)
- Min/Max saturated output power (dBm) = -4
- Saturated Flatness = +/- 0.4 to +/- 0.5 .
- VSWR = 1.5/1.0 to 2.0/1.0.
- Noise figure = 5dB - 8dB.
- Power + V_{dc} = +15V (24mA Max)
- Power V_{dc} = -15 V (24 Max)

2. RF Amplifier Specifications: (Quantity= 1)

- **Connectorized package.**
- Desired Operating range = 0-200 MHz (upto 500 MHz acceptable).
- **Signal gain ~ 30 dB – 40 dB.**
- Saturated output Power = - 0.5.
- Saturated Flatness = +/-0.8 – +/-1.5.
- VSWR = 1.5/1.0 – 2.0/1.0.
- Noise figure = 7dB – 11 dB.
- Power V_{dc} = +15

Please provide technical and financial bids in separate sealed envelopes.

In the document for technical bid, mention in tabular form the compliance to each of the above specifications. In addition, also provide:

1. Authorization Certification, if any form the principal manufacturer
2. Technical specification in detail
3. Warranty period
4. List of clients and testimonials of services rendered. Those with a better record of after sales services may be given preference.

NOTE: Payment terms will be as per IIT Kanpur rules. Validity of the Quote should be for a minimum of 60 days.

Please send technical specifications and financial specifications in separate sealed envelopes to the undersigned clearly mentioning the following information by January 15, 2015.

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