Indian Institute of Technology Delhi
Centre for Applied Research in Electronics

January 3, 2014

Sealed quotations in ***separate envelops of technical and commercial bid*** kept in a one sealed outer envelope are invited for purchase of Vector Signal Generator as per specifications given below. Your sealed quotation should reach latest by 5 PM on January, 24th 2014 to **Dr. Karun Rawat, CARE, III-323, Indian Institute of Technology – Delhi (IIT Delhi), Hauz Khas, New Delhi - 110016**. Your quotation should be superscribed "Purchase of Vector Signal Generator due on 24th January 2014".

S. No.	Features	Minimum Required Specifications
1.	Frequency range	Covering 9 KHz to 6 GHz
2.	Dwell time for sweep	100 µs to 100 s
3.	Connector type	N or SMA
4.	Output power & level range	Better than +20 dBm (from10 MHz up to at least 3 GHz)
5.	Harmonics (CW mode)	< –30 dBc @10 dBm power level
6.	Phase noise, CW at 20kHz offset measured in 1 Hz Bandwidth	–130 dBc @ 1 GHz –120 dBc @ 2 GHz and 3 GHz –115 dBc @ 4 GHz and 6 GHz
7.	LO in/out for phase coherency	present
8.	Multitone Generation	2 to 64 tones with selectable on/off per tone
9.	Channels (Baseband Generator)	2 with Differential I/Q outputs present
10.	Resolution	16 bits
11.	Baseband generator with RF Bandwidth	160 MHz
12.	RF amplitude flatness over complete 160 MHz	±0.2 dB
	RF phase flatness over complete 160 MHz.	± 2 degrees
13.	3GPP W-CDMA distortion performance in terms of Adjacent channel power ratio (ACPR) in dBc: Signal Used: 64 DPCH, (crest factor 11.5 dB, rms power=5 dBm)	At <16 dBm peak envelope power: >70 dBc (Typ.) @ Adjacent Channel >75 dBc (Typ.) @ Alternate Channel
14.	ARB Memory and Playback	30GB memory with 32Msa playback capacity
15.	Interfaces	GPIB, LAN (LXI-C compliant), USB
16.	Accessories	USB to GPIB converter.
17.	Warranty	3 years

TERMS AND CONDITIONS:

1. Please quote prices at FOB New Delhi, inclusive of installation charges. CIP charges should be quoted separately.
2. The quotations should be in the currency of the country of origin and should be valid for at least three months.
3. Please attach all the technical literature and a list of similar installations done in India.
4. Standard warranty details (minimum 3 years) should be provided.
5. Payment should be through irrevocable letter of credit. Charges levied by Indian banks will be paid by I.I.T Delhi and need not be included in the quoted price, but, charges incurred outside India should be included in the quoted price.
6. If the quote is being submitted by the representative of the Principals/manufacturer themselves, a valid Agency ship/Dealership Certificate authorizing the agent to quote to IIT Delhi on behalf of the Principals should be enclosed.
7. Please produce compliance table for the specification.
8. Delivery period should be specifically mentioned and should be as small as possible.
9. The products will be used for educational purposes. Hence any applicable institutional discounts should be offered and stated.
10. Institute reserves the right to accept or reject any or all the quotations without assigning reasons thereof.