



IIT KANPUR



**STARTUP
INCUBATION AND
INNOVATION
CENTRE
IIT KANPUR**

Tender: **Ref NO: Vector Signal Generato/AIML/ DJAC Building/IIT/FIRST/DP/17-11-2025**

To,
Foundation for Innovation
And Research in Science & Technology
IIT Kanpur Kalyanpur Kanpur UP 208016

Invitation for Quotations of equipment's for our DJAC Building at FIRST of IIT Kanpur.

Sealed Quotations (**technical bid and financial bid, separately inside the main envelop**) along with **Certificate or Authorization Letter** are invited as per the specifications provided in the below table for the items from the **authorized suppliers**. The sealed quotation should reach the undersigned on or before **27-11-2025** before **1700 hrs.** Through registered/speed post/courier/by hand.

The envelope must be inscribed with "Quotation for the Tender: **Ref NO: Vector Signal Generator /AIML / DJAC Building/IIT/FIRST/DP/17-11-2025**

The Quotations would be evaluated separately

Vector Signal Generator

Sr No	Parameter	Specification
1	Fundamental frequency range	5 kHz to 3 GHz, upgradable to 7.125 GHz (5G FR1)
2	Aging	1 ppm/year
3	Frequency Error	< 1 ppm
4	Frequency Resolution	1 mHz
5	Output Power over frequency range	-110 dBm to +15 dBm
6	Level Resolution:	≤0.01 dB
7	Level Accuracy(> -80 dBm)	≤ ± 0.7 dB F>10 MHz
8	SSB Phase noise @20 kHz offset	< -100 dBc @F=1GHz
9	Internal Digital Modulation Bandwidth	60 MHz or better
10	Digital Modulation type	PSK, QAM, FSK and others
11	Internal Baseband generator resolution	16 Bits
12	Internal baseband memory depth	≥ 64 MSa
13	Interfaces	LAN, USB
14	Inbulit display with touchscreen	Required
15	RF out connector	N type female
16	Maximum Reverse Power	2W, 35V
17	Power Supply	230V, 50 Hz
18	Warranty	1 year or better
19	Weight	4.7 Kg
20	Memory	128 GB

Suresh



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21	Future Upgradable	1. Internal Digital Modulation Bandwidth - upto 240MHz
		2. AM, FM, Phase Modulation Support

Terms & Condition

1. Each bidder shall submit only one quotation.
2. FIRST reserves right to accept or reject any or all bid(s) without assigning any reason.
3. It may be mandated to present the bids in-person at FIRST, IIT Kanpur and bidder shall be ready for it without any prejudice.
4. The bidder should be a reputed vendor and should have establishment of more than 5 years old. Copy of certificate of Establishment should be provided with the Technical Bid.
5. The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the purchase order.
6. Financial bids of technically qualified and approved bidders shall be opened.
7. Financial evaluation is purely done on the total financial implication.
8. Quotations from the bids that do not meet the technical criteria set in the tender document will not be considered irrespective of the price or any other criteria.
9. Payment shall be made in full upon successful delivery and acceptance of the goods/services by the purchaser, in accordance with the agreed specifications and terms outlined in the contract.
10. In - Charge will be appointed by FIRST for supervision of work and verification of Bills.

Prof. Deepu Philip
Director, FIRST

Address for Quotation:

Prof. Deepu Philip

Office No. S7, Second Floor
FIRST, SIIC Centre, Sixth Avenue,
Indian Institute of Technology Kanpur
Kalyanpur, UP- 208016 INDIA

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Sarvesh