

Request of quotation for the procurement of a wide bandwidth travelling wave parametric amplifier

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A request for quotation from interested manufacturers for a wide bandwidth travelling wave parametric amplifier for microwave measurements of superconducting qubits. The quotation should clearly indicate the terms of delivery, delivery schedule, transportation charges (if any).

All interested vendors shall submit a response demonstrating their capabilities to produce the requested equipment to the primary point of contact listed below. **The last date for submission of proposals is 2nd Nov-2023, 5:00pm.** Proposals can be emailed to v.singh@iisc.ac.in

The technical details of the system and general terms and conditions are given below.

S.N.	Parameters	
1	Frequency range	6 – 6.8 GHz
2	Gain	15 dB or more over the entire frequency range
3	P1dB compression	-110 dBm
4	Input Impedance	50 Ohm
5	Output Impedance	50 Ohm
6	Quantum efficiency	70% or better
7	Average Insertion loss	1.2 dB or less
8	Ripples in the gain	< 3.5 dB
9	Connectors	SMA
10	Physical Dimensions of the packaging	Approx. 60mm X 30mm X 10mm

Quantity: 1 (one)

Warranty: Comprehensive warranty and support for at least 1 year.

DELIVERY TIME: Maximum 4 months from the date of Order Acknowledgment (OA). The vendor must provide the OA within 3 weeks after receiving the purchase order. The delivery time should be mentioned in the technical and commercial bids.

General terms and conditions:

- Payment terms should be mentioned in the technical bid.
- In the commercial bid, the price should be inclusive of all discounts.
- The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time before the award of contract without thereby incurring any liability of the affected bidder or bidders.
- The bids can be addressed to “The Chairperson, Dept. of Physics, Indian Institute of Science Bangalore-560012”