



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

Date: **June 19, 2024**

Ref: FITT-BEEN/FT/2023/11/15

Notice inviting quotations for Development of Guidance interface with inbuilt seeker

Quotations are invited for Development of Guidance interface with inbuilt seeker. The required specifications are given below. Complete technical information should be provided along with the Technical bid. Email bids are also acceptable. Please refer to the last page on Terms and Conditions for details on how and when to submit Technical and Financial bids.

The scope of the work include

1. Design of Guidance interface with an custom seeker developed.
2. Capability demonstration of way point navigation using the algorithm developed.

Required Specifications for Development of Guidance interface with inbuilt seeker

1	Over the Air Data Encryption	AES 256 and 128-bit encryption
2	Data Throughput	80 Mbps
3	Operating Modes	Mesh, WDS AP, WDS Client Bridged or Internet Gateway with NAT
4	Command and Control channel	Ultra-Reliable Low Latency Channel (URLLC). Latency 1.5-10 ms
5	Frequency Range	2400-2482 MHz
6	Power Input	5V
7	Host Interface	Ethernet (100 Base-T), USB -Dev, 1x UART (3.3V)
8	Temperature range (Operating)	Industrial: -40°C to +85°C
9	Guidance module	GPS and flight controller sensors

Terms and Conditions

1. The quote should reach the following address on or before **26.06.2024, 12 PM**.
Dr. M. Sarkar
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Block II, Room 333
IIT Delhi, Hauz Khas
New Delhi, 110016
msarkar@ee.iitd.ac.in
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. Attach all the technical literature and a list of similar installations done in India.
5. If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the manufacturers should be enclosed. **The principal and the vendor, both, are not allowed to quote for the same product.**
6. Complete set of manuals for the operation of the equipment should be given.
7. Please specify all of your terms and conditions clearly, including delivery period.
8. 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.
9. The Institute reserves the right to accept or reject any or all quotations without assigning any reasons thereof.