

No.ICFOSS/29/2025-TC4(IT)

14/05/2025

QUOTATION NOTICE

Competitive quotations are invited from qualified firms/agencies for **NavIC-based Drone Navigation Module**. Specification details are as follows.

Sl.No	Description	Quantity
1	NavIC-based Drone Navigation Module	2

Specifications

GNSS	NavIC (IRNSS) L5 • GPS L1 • GLONASS L1
SBAS	GAGAN
Channels	Supports more than 128 channels
Update Rate	1 Hz default, up to 10 Hz
Sensitivity	Cold Start -153 dBm Tracking -163 dBm
Acquisition Time	TTFF (Time to First Fix) < 40 s Cold Start (open sky) < 25 s Hot Start (open sky) 1 to 2 s
Position accuracy	Horizontal 1 m CEP Vertical 3 m CEP
Baud Rate	115200 (default) , Can be configured to any baud rate
Max Altitude	< 18,000 m
Max Velocity	< 500 m/s
Protocol Support	NMEA 0183 ver: 4.1
Supply Input Voltage	5.0 V DC
Temperature	Operating -10 oC to +50 oC Storage -20 oC to +60 oC
Form Factor	Tiny form factor compared to existing navigation units
Dimensions	L x W x H: 64.2 mm x 64.2 mm x 19.6 mm
Weight	68 grams
PCB Specifications	Double-sided, 1.6 mm thickness
EMI/EMC Protection	Core circuit is shielded

Rate should be quoted in gross amount including GST. Sealed quotation shall be reached this office on or before 4pm on 22/05/2025 to the undersigned marked properly on the cover "Quotation for **NavIC-based Drone Navigation Module**"

Quotation will be opened on 22/05/2025 at 4.30pm



A handwritten signature in blue ink, appearing to read "Bijumon".

Bijumon Joseph
Secretary & Registrar
ICFOSS