



PHANTOM-II HIGH SPEED AERIAL TARGET

Phantom-II is India's first high-performance High-Speed Expendable Aerial Target System (HEAT) powered by a thrust engine, designed to meet diverse air defence training and testing needs. Its high speed, endurance, and payload capacity make it an agile target system for joint defense missions. The modular design ensures adaptability to various mission requirements, making it a preferred choice.

KEY FEATURES	PAYLOADS
<ul style="list-style-type: none">• Autopilot: In-house developed advanced flight computer and avionics for fully autonomous flights.• Telemetry: Reliable telemetry over user-defined frequencies.• Safety: One-click Return to Home (RTH) and automatic RTH during communication loss.• Designed, Developed and Integrated In-House: Aircraft Design, Airframe, Autopilot, Payloads, Parachute, Electricals, Cable Harnessing, and Launcher System.	<ul style="list-style-type: none">• Three 7.5" Luneberg Lenses.• Up to 8 Smoke Flares.• Up to 16 Infrared Flares.• Miss Distance Indicator (MDI)• Hot Nose

TECHNICAL SPECIFICATIONS

PARAMETERS	VALUES
Length	3.15 meters
Wingspan	2.2 meters
Power Plant	2 x 40 kg Jet Engines
Fuel Type	Jet A1
Payload capacity	15 kg
Speed range	40–220 m/s (144–792 km/h)
Launch Speed	45 m/s (162 km/h)
Operating Range	> 100 km (54 nm)
Endurance (Wide Open Throttle)	30 minutes
Endurance (Mixed Throttle)	50 minutes
Maximum Altitude	8000 meters ASL
Minimum Altitude	5 meters ASL
Recovery	Parachute

Note: Specifications are subject to change without notice due to ongoing process improvements.