

All strikes were executed without loss of Indian assets, underscoring the effectiveness of our surveillance, planning, and delivery systems. The use of modern indigenous technology, from long-range drones to guided munitions, made these strikes highly effective and politically calibrated.

Indian Air Force **bypassed and jammed Pakistan's Chinese-supplied air defence systems**, completing the mission in just 23 minutes, demonstrating **India's technological edge**.

Evidence of Neutralized Threats

Operation SINDOOR also produced concrete evidence of hostile technologies neutralized by Indian systems:

- Pieces of **PL-15 missiles** (of Chinese origin)
- **Turkish-origin UAVs**, named "Yiha" or "YEEHAW"
- **Long-range rockets, quadcopters and commercial drones**

These were recovered and identified, showing that despite Pakistan's attempts to exploit advanced foreign-supplied weaponry, India's indigenous air defence and electronic warfare networks remained superior.

Performance of Systems: Air Defence Measures of the Indian Army

On May 12, *Lt Gen Rajiv Ghai, Director General Military Operations*, in the Operation SINDOOR press briefing highlighted the excellent performance of a mix of legacy and modern systems:

Preparedness and Coordination:

Since precise strikes on terrorists were conducted without crossing the Line of Control or International Boundary, it was anticipated Pakistan's response would come from across the border.

- A unique blend of Counter Unmanned Aerial Systems, Electronic Warfare assets, and Air Defence Weapons from both Army and Air Force
- Multiple defensive layers from the International Boundary inward:
 - a) Counter Unmanned Aerial Systems
 - b) Shoulder-Fired Weapons
 - c) Legacy Air Defence Weapons
 - d) Modern Air Defence Weapon Systems

This multi-tier defence prevented Pakistan Air Force attacks on our airfields and logistic installations during the night of May 9-10. These systems, built over the last decade with continuous government investment,

proved to be force multipliers during the operation. They played a crucial role in ensuring that both civilian and military infrastructure across India remained largely unaffected during enemy retaliation attempts.

ISRO's contribution: At an event on May 11, ISRO Chairman V Narayanan mentioned that At least 10 satellites are continuously working round-the-clock for the strategic purpose to ensure the safety and security of the citizens of the country. To ensure the safety of the country, the nation has to serve through its satellites. It has to monitor its 7,000 km seashore areas. It has to monitor the entire Northern part continuously. Without satellite and drone technology, the country can't achieve that.³

The Business of Drone Power: A Rising Indigenous Industry

The **Drone Federation India (DFI)**, is a premier industry body representing over **550 drone companies and 5500 drone pilots**⁴. DFI's vision is to make India a global drone hub by 2030, and it promotes the design, development, manufacturing, adoption and export of Indian drone and counter-drone technology worldwide. DFI enables ease of doing business, promotes the adoption of drone technology, and hosts several programs like Bharat Drone Mahotsav.⁵ Some companies involved in the drone space are:

- Alpha Design Technologies (Bengaluru): Partnered with Israel's Elbit Systems to build SkyStriker.
- Tata Advanced Systems offers a full range of integrated solutions across Defence & Security and has served as a trusted partner to India's armed forces for over six decades⁶
- Paras Defence & Space Technologies operates within the Defence and Space segments, distinguished by Indigenously Designed Developed and Manufactured (IDDM) capabilities⁷
- IG Drones is a Drone Technology Company for manufacturing and R & D of Drones specialized in defence and other industry applications along with provider of drone related services like drone surveying, mapping & inspection by industry experts. The company has partnered with Indian Army, Government of India , multiple State Governments, among others.⁸

³ <https://www.youtube.com/watch?v=rvDkFE4mB1M>

⁴ <https://www.pib.gov.in/PressReleaselframePage.aspx?PRID=2112555>

⁵ <https://nidar.org.in/about/>

⁶ <https://www.tataadvancedsystems.com/about>

⁷ <https://parasdefence.com/>

⁸ <https://igdrones.com/>