

# India designing new stealth fighter

India is beginning preliminary design work for a new fifth generation fighter jet, named the **Advanced Medium Combat Aircraft (AMCA)**, with the first flight scheduled for 2024

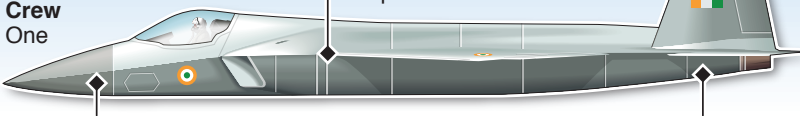
**AMCA:** Multi-role aircraft designed to replace *Mirage 2000* fighter and *Jaguar* strike aircraft in Indian Air Force service from 2030

**Performance:** Aircraft intended to fly supersonically without afterburning

**Crew**  
One

**Fuselage:** Faceted design and blended wing-body. Radar-absorbing paint and composites

**Tail**  
Canted twin fins

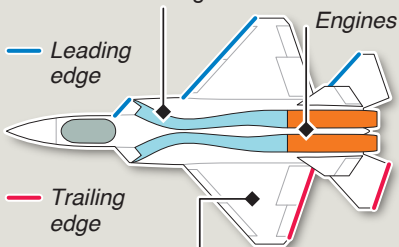


**Avionics:** Include AESA\* radar, infrared search and track system and situational awareness sensors

**Engines:** Twin turbofans with thrust vectoring. Likely choice is upgraded General Electric F414 (115 kN class)

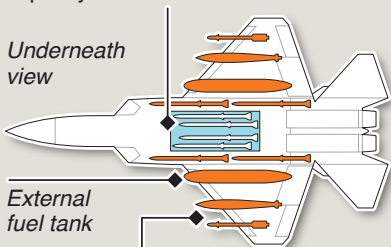
■ **Serpentine ducts:** Block direct line of sight to engine fan blades, hiding them from incoming radar

■ **Internal weapons bay**  
Maintains stealthy configuration – capacity for four missiles or bombs



■ **Trapezoidal wing**  
Aligned edges help to improve stealth characteristics by deflecting radar waves in different directions

■ Shape offers efficient supersonic flight, and better handling at subsonic speeds needed for ground-attack role



■ **External weapons**  
Non-stealth payload carried below fuselage and on three hardpoints under each wing

■ **Specifications**  
Maximum weight: **25 tonnes**  
Endurance: **Two hours**