

Variants of Tejas

LCA Tejas Mk-1

LCA Tejas Mk-2

Tejas-Mk2 will be rolled out in 2022 and the first flight in early 2023.

Its production is likely to start somewhere around 2025

Wide Band TR Module Based Programs

THE NEW TEJAS

The long-awaited indigenous fighter Tejas Mk II, which will be manufactured by HAL, will go into production by 2025-2026

17.5 ton

Tejas Mark II will be the same weight as the Mirage, Jaguar and Grippen

ADDITIONS THE NEW GEN

- Heavier stand-off weapon capacity
- State-of-the-art AESA radar
- Indigenously developed air-to-air missile Astra (with a range of 70km)

WHEN: Set to go into production after the Tejas LCA order of 123 aircraft to replace the IAF's ageing MiG-21s is completed

ALSO IN THE WORKS

Advanced medium combat aircraft (AMCA) given a go-ahead by IAF late last year

25-ton fighter will be powered by two engines capable of super-cruise speeds

Will have advanced tech to ensure minimum radar signatures

Advanced Medium Combat Aircraft (AMCA)

LC Advanced Medium Combat Aircraft (AMCA) will be rolled out in 2024 and first flight in 2025.

Modernization of Sukhoi-30MK.

More Indian and less Russian.

Upgradation of Avionics, Electronic warfare suites, and its Radars

Scaled Uttam AESA Fire Control Radar (FCR):
Advanced Self Protection Jammer (ASPJ):DARE is pursuing the replacement and upgradation of Russian and Israeli Airborne Self Protection Jammer (ASPJ)



Wide Band UDC and FER Based Programs



**Naval Systems (Submarines)
SIGINT System---**



**Ground-based Mobile Electronic Intelligence
(ELINT) System (GBMES)**

Quad Super Het Receiver,
Channelized Receivers



**Electronic Counter Measure (ECM), Radar Warning (RW)
Systems**

Quad Super Het Receiver,
Channelized Receivers