

HTT40 Basic Trainer Aircraft

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In order to put the idea of 'Atma Nirbhar Bharat' into action, the Ministry of Defence has approved proposals worth ₹8,722.38 crore of capital acquisitions of various platforms and equipment required by the Indian Armed Forces, which includes **106 Basic Trainer aircrafts for the Indian Air Force.**

HTT40 Basic Trainer Aircraft

With **Hindustan Aeronautics Limited (HAL) having successfully developed Basic Trainer Aircraft (HTT-40) prototypes and certification process underway**, the DAC approved procurement of 106 Basic Trainer Aircraft from HAL to address the basic training requirements of the Indian Air Force (IAF). **Post Certification 70 Basic Trainer Aircraft will be initially procured from HAL and balance 36 after operationalisation of HTT-40 fleet in IAF.**

The HTT-40 qualifies as "Indian designed, developed and manufactured (IDDM)" equipment, a category introduced in the Defence Procurement Policy 2016. The aircraft, which has been in the works for the last seven years, has cleared all **Air Staff Qualitative Requirements (ASQRs)**. In November last year, Air Chief Marshal Bhadauria had taken a full one-hour sortie in the HTT-40 as a mark of confidence in the aircraft.

This trainer has been designed and developed by HAL and is a basic fixed-wing aircraft.

It is good for the young IAF officers who are going to learn how to fly an aircraft and will be equipped with Honeywell turboprop engine TPE-331-12B.

Trainer, in military aviation, an **airplane that is designed and used to train pilots to operate advanced aircraft effectively.** The complicated modern military airplane requires

a high degree of skill on the part of pilots. Military training programs **commonly make use of a single-engine aircraft for primary training phases, with twin-jet trainers for transition stages.** Primary training airplanes are generally of simplified construction, with a minimum of complicated equipment.