

Hindustan Turbo Trainer (HTT-40)



Designed and developed by ARDC, the HTT-40 is to replace the HPT-32 basic trainer. The ab-initio trainer is designed to meet the primary training requirements of Indian defense services. This fully aerobatic tandem seat turbo trainer will have air conditioned cockpit, modern avionics and ejection seats. Built around a proven turbo prop engine, this aircraft is designed to have good low speed handling qualities and better training effectiveness. This aircraft will be certified to FAR-23 standards.

SALIENT FEATURE

- Overall wing span 11 m
- Overall length 10.5 m
- Overall height 3.4 m
- Normal Training Weight 2800 kg
- Maximum speed 450 km/h
- Maximum load factor +6/-3 g
- Service Ceiling 6 km
- Glide Ratio 12:1

ROLES

- Basic Training
- Aerobatics
- General Handling
- Instrument Flying
- Navigation
- Night Flying
- Close formation

Plans for the future include development of weaponized version for COIN and limited strike roles.

Training Programme

0 Flying Hours

100

200



Initial Screening

- Orientation
- Basic Procedures
- Flight Evaluation

Primary Flight Training

- Contact
- Instrument Flying
- Formation Flying
- Night Flying

Advanced Training

- Tactical Formation
- Basic Fighter Maneuvers
- Range Operations
- Air-to-Air Weapons and Air-to-Ground Weapons Fundamentals

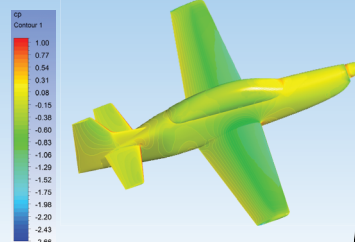
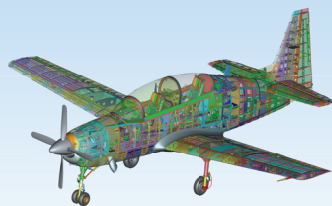
Trains You to Fly and to Fight....



MIP-BASIC



MIP-ADVANCED



GENERAL MANAGER (ARDC)

AIRCRAFT RESEARCH & DESIGN CENTRE

AS9100 D - QMS | ISO / IEC 17025 : 2005 - NABL | ISO 14001 : 2004

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