

Yashas

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Yashas Latest News

Hindustan Aeronautics Limited (HAL) recently renamed its flagship HJT-36 jet training aircraft as 'Yashas', following significant upgrades.

About Yashas

- It is the **flagship jet training aircraft** of the **Hindustan Aeronautics Limited (HAL)**.
- The aircraft, **previously known as Hindustan Jet Trainer (HJT)-36**, has undergone extensive modifications aimed at improving its departure characteristics and spin resistance across the aircraft envelope, leading to its rechristening as 'Yashas.'
- It is **fully equipped for Stage II pilot training**, which includes a variety of specialized operations such as counter-insurgency, counter-surface force operations, and armament training.

Yashas Features

- It has been upgraded with state-of-the-art avionics and a modern cockpit, enhancing both the training effectiveness and operational efficiency of the aircraft.
- The modifications also include a **reduction in weight** and the **replacement of imported equipment with Indian-made Line Replaceable Units (LRUs)**, ensuring a more self-reliant and sustainable system.
- Its capabilities extend to aerobatics and armament carriage, supporting up to 1,000 kg of payload.
- It is powered by a **Full Authority Digital Engine Control (FADEC)-controlled AL55I Jet engine**, providing best-in-class thrust-to-weight ratio, optimised thrust management, and reliability.
- Additionally, the aircraft boasts a **stepped-up rear cockpit with a drooped nose**, providing improved **all-around vision** and enhanced situational awareness.

Yashas FAQs

Q1. What is Hindustan Aeronautics Limited (HAL)?

Ans. HAL is an Indian state-owned aerospace and defense company headquartered in Bangalore.

Q2. What is spin resistance in aircraft?

Ans. Spin resistance refers to an aircraft's ability to prevent entering an aerodynamic spin, even if it is stalled.

Q3. What is aerobatics?

Ans. Aerobatics refers to precise, controlled flying maneuvers that push an aircraft beyond normal flight limits.

Source: [THBL](#)

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