

Su-30MKI fighter Jet

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About Su-30MKI fighter Jet:

- It is a **multirole combat fighter aircraft** jointly developed by the Sukhoi Design Bureau and Hindustan Aeronautics Limited (HAL) for the Indian Air Force (IAF).
- Based on the Su-30 fighter aircraft, Su-30MKI is equipped with thrust vectoring control and canards.
- **Features**
 - It is the **fourth-generation fighter jet** powered by two AL-31 FP aero engines. AL-31FP is a high-temperature turbojet by-pass engine of modular design.
 - The Su-30MKI fleet of IAF was fitted with air-launched version of BrahMos supersonic cruise missiles and was successfully tested in November 2017.
 - It is fitted with a **tarang radar warning receiver (RWR)** indigenously developed by the **Defence Research and Development Organisation (DRDO)**.
 - The aircraft has a maximum unrefuelled flight range of 3,000km. The in-flight refuelling system of Su-30MKI provides a maximum range of 8,000km with two refuellings.
- **Manufacturer:** Hindustan Aeronautics Limited (HAL)

Q1: What is Hindustan Aeronautics Limited (HAL)?

Hindustan Aeronautics Ltd (HAL) is an aerospace and defense company owned by the government of India. The company develops, designs, manufactures, and supplies aircraft, helicopters, avionics, and communications equipment for military and civil markets. It also provides repair, maintenance, and support services for aircraft. HAL offers accessories for aircraft, helicopters, and aero engines, aerospace equipment, advanced communication, and navigation equipment. The company operates through a network of production facilities, and research and design centers in India. HAL is headquartered in Bengaluru, Karnataka, India.

Source: [Procurement of 240 Russian jet engines approved for IAF's Su-30MKI fighter jets](#)

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